

An Introduction to the Unit

This chapter explains how to use your CyberDict for the first time, the keys and controls, power sources, default system settings and basic operations of your CyberDict. We hope it will help you to use this device. Please proceed to the following parts for details of each function under different main menus.

Precautions

Personal Data

- 1. All your personal data should be copied onto separate permanent printed records.
- 2. Resetting the unit will cause permanent personal data loss.

Non Waterproof

The device is non waterproof, please keep it away from any liquid. In case it happens, please dry the surface and send the unit to our service center for checking.

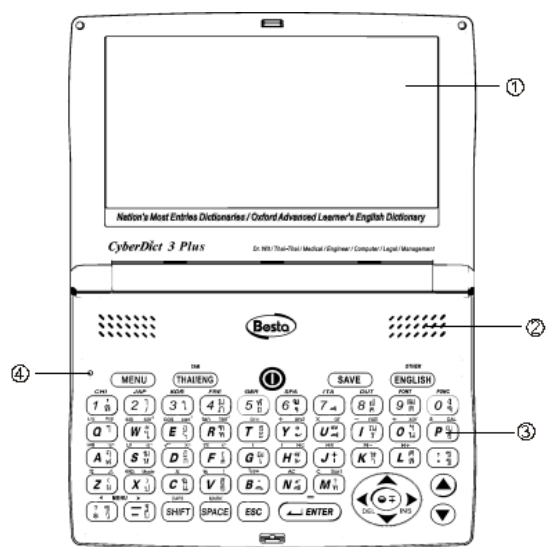
Magnetism

The product possesses magnetism design, so please do not place it with others which have magnetism design together in case it lose magnetism and inherent functions.

Note:
The product is not waterproof, so keep it away from any liquid. We are obliged to charge user maintenance fee if the device is damaged due to any scratches or breakage on the screen or liquid percolation, for the man-made damages are not covered by warranty.

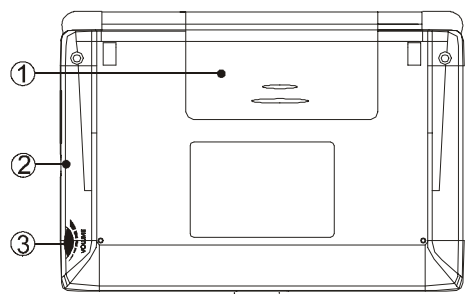
1. Product Layout

Obverse side












- 1. Screen
- 2. Speaker
- 3. Keyboard
- 4. [RESET] key

Reverse Side:







- 1. Battery Cover (slot)
- 2. LINK&Earphone
- 3. Volume Control









2. Keyboard Buttons

Key	Function
	To initialize the system
	Power on / off button
	To select main menu (to right)
	To escape from AP (same as [ESC])
	To select main menu (to left & to right)
	To shift among English / Thai / icon menu
	To switch English / Thai input mode when editing data [TAB]: [SHIFT]+[THAI/ENG](shift among fields)
	To listen in English [OTHER]:[SHIFT]+[ENGLISH] listen in Chinese / Japanese (in related functions only)
	To save current data or finish setup





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	Thai character ก ([(SHIFT)]+this key)
	Thai character ข
	Decimal point for calculator or full stop for the text
	Comma for the text with [SHIFT] key
	Press once as [SHIFT] key
	Press twice to lock the capital letter as [CAPS] key.
	To combine with other keys
	To enter a space when editing data
	Press [SHIFT], then press [SPACE] to input your desired marks when editing data
	To tick the check box
	Confirm current operation
	To move the cursor to next line/page during editing
	To calculator the result in calculation function, as [=] key

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	To exit current function
	To return to the previous screen
	To move the cursor left/scroll to the left page
	To delete data with [SHIFT]
	To move the cursor right/scroll to the right page
	To highlight word for pronunciation or cross-searching under marked state
	To insert word with [SHIFT]
	To shift the cursor up or scroll a line up
	To shift the cursor or scroll a line up
	To page up
	To search the previous data
	To page down
	To search the next data
	Numeric key "1"

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	Thai character แ
	Thai character “,” ([SHIFT]+[1])
	View Chinese in Travel Dialogues
	Numeric key “2”
	Thai character ๑ ([SHIFT]+[2])
	Thai character “/”
	View Japanese in Travel Dialogues
	Numeric key “3”
	Thai character ๓
	View Korean in Travel Dialogues
	Numeric key “4”
	Thai character ๔
	Thai character ๕ ([SHIFT]+[4])
	View French in Travel Dialogues
	Numeric key “5”

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	Thai character ก
	Thai character ฦ ([SHIFT]+[5])
	View Germany in Travel Dialogues
SPA 6 ฦ ๖	Numeric key “6”
	Thai character ๖
	Thai character ๖ ([SHIFT]+[6])
	View Spanish in Travel Dialogues
ITA 7 ๗ ๗	Numeric key “7”
	Thai character ๗
	View Italian in Travel Dialogues
DUT 8 ๘ ๘	Numeric key “8”
	Thai character ๘
	Thai character ๘ ([SHIFT]+[8])
	View Dutch in Travel Dialogues
FOR 9 ๙ ๙	Numeric key “9”

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	Thai character ๓
	Thai character ๓ ([SHIFT]+[9])
0 ๐ ๐	Numeric key “0”
	Thai character ๐
	Thai character ๐ ([SHIFT]+[0])
A ๑ ๑	English letter “A”
	Thai character ๑
	Thai character ๑ ([SHIFT]+[A])
	Mathematic sign “ 10^x ” with [SHIFT] key
B ๒ ๒	Mathematic sign “log”
	English letter “B”
	Thai character ๒
C ๓ ๓	Thai character ๓ ([SHIFT]+[B])
	English letter “C”
C ๔ ๔	Thai character ๔
	Thai character ๔ ([SHIFT]+[C])





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	Thai character ๕ ([SHIFT]+[C])
	Mathematic sign “X”
D ๕ ๕	English letter “D”
	Thai character ๕
	Thai character ๕ ([SHIFT]+[D])
	Mathematic sign “ x^2 ” with [SHIFT] key
	Mathematic sign “ $\sqrt{\quad}$ ”
E ๖ ๖	English letter “E”
	Thai character ๖
	Thai character ๖ ([SHIFT]+[E])
	Mathematic sign “ \cos^{-1} ” with [SHIFT] key
	Mathematic sign “cos”
F ๗ ๗	English letter “F”
	Thai character ๗
	Thai character ๗ ([SHIFT]+[F])




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	Mathematic sign “ x^y ” with [SHIFT] key
	Mathematic sign “ $\sqrt[x]{\quad}$ ”
G ๘ ๘	English letter “G”
	Thai character ๘
	Thai character ๘ ([SHIFT]+[G])
	Mathematic sign “(”
H ๙ ๙	English letter “H”
	Thai character ๙
	Thai character ๙ ([SHIFT]+[H])
	Mathematic sign “MC”
	Mathematic sign “)”
I ๐ ๐	English letter “I”
	Thai character ๐
	Thai character ๐ ([SHIFT]+[I])
	Logical sign “not” with [SHIFT] key




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	Mathematic sign “-”
	English letter “J”
	Thai character โ
	Thai character + ([SHIFT]+[J])
	Mathematic sign “MR”
	English letter “K”
	Thai character ก
	Thai character ๑ ([SHIFT]+[K])
	Mathematic sign “M-”
	English letter “L”
	Thai character ล
	Thai character ๒ ([SHIFT]+[L])
	Mathematic sign “M+”
	English letter “M”
	Thai character ม




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	Thai character “?” ([SHIFT]+[M])
	Mathematic sign: clear (C)
	Access sort function in statistical calculator
	English letter “N”
	Thai character น
	Thai character ๓ ([SHIFT]+[N])
	Mathematic sign: all clear (AC)
	English letter “O”
	Thai character ๔
	Thai character ๕ ([SHIFT]+[O])
	Mathematic sign “+”
	Logical sign “xor” with [SHIFT] key
	English letter “P”
	Thai character ป
	Thai character ๖ ([SHIFT]+[P])

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	Mathematic sign “±”
	Calculate result in Statistical calculator with [SHIFT] key
	English letter “Q”
	Thai character ๗
	Mathematic sign “Hyp” with [SHIFT] key
	Mathematic sign “1/X”
	English letter “R”
	Thai character ร
	Thai character ๘ ([SHIFT]+[R])
	Mathematic sign “tan ⁻¹ ” with [SHIFT] key
	Mathematic sign “tan”
	English letter “S”
	Thai character ส
	Thai character ๙ ([SHIFT]+[S])
	Mathematic sign “e ^x ” with [SHIFT] key

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	Mathematic sign “ln”
	English letter “T”
	Thai character ๘
	Thai character ๙ ([SHIFT]+[T])
	Mathematic sign “o/r”
	English letter “U”
	Thai character ๙
	Thai character ๑๐ ([SHIFT]+[U])
	Logical sign “or” with [SHIFT] key
	Mathematic sign “x”
	English letter “V”
	Thai character ๑๐
	Thai character ๑๑ ([SHIFT]+[V])
	Mathematic sign “!” with [SHIFT] key
	Mathematic sign “%”

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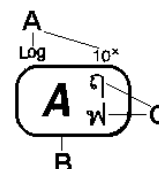
	English letter "W"
	Thai character ว
	Thai character ๒ ([SHIFT]+[W])
	Mathematic sign " \sin^{-1} " with [SHIFT] key
	Mathematic sign "sin"
	English letter "X"
	Thai character ข
	Thai character "ย" ([SHIFT]+[X])
	Convert counting system in scientific calculator
	Mathematic sign "exp" with [SHIFT] key
	English letter "Y"
	Thai character ย
	Thai character "อ" ([SHIFT]+[Y])
	Logical sign "and" with [SHIFT] key
	Mathematic sign " \div "

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	English letter "Z"
	Thai character ฌ
	Thai character "ฎ" ([SHIFT]+[Z])
	Convert angular unit degree / radian / gradient in scientific calculator with [SHIFT] key
	Mathematic sign " π "

3. Key Description

- A. Mathematical sign
- B. English letter
- C. Thai character



4. Indicator Descriptions

The following indicators will appear when specified functions are selected or executed.

- : Looking up or executing
- : Input English numbers or letters
- : Input Thai characters

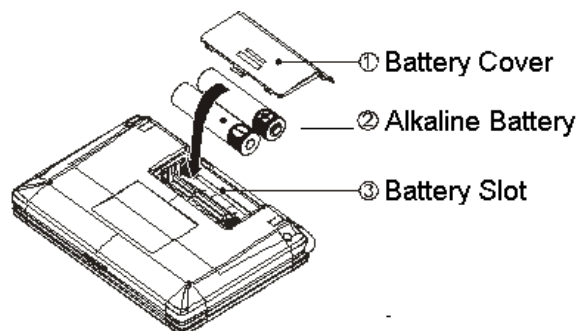
5. Main Power

Insert 2 size 4 AAA Alkaline batteries.

5.1 How to Install / Replace the Battery

- A. Press to turn off the power.
- B. Open the battery cover and remove the battery cover.
- C. Insert the battery into the battery slot following the polarity diagram.
- D. Close the battery cover securely.

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Note:

- A. To prevent battery leakage from damaging the unit, please don't mix new and old batteries.
- B. The personal data will be retained even the unit is out of power, but please remember to switch off the power before changing battery.
- C. If the unit will not be used for a long period, please remove the main battery to avoid possible damage caused by leakage.

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6. Main Menu

Press [MENU] or  at the left bottom of the unit to shift among the main menu.

Dictionary

Dict	Learn	Pim	Math	Time
1 English - Thai Dictionary				
2 Thai - English Dictionary				
3 Thai - Thai Dictionary				
4 Oxford Dictionary				
5 Medical Dictionary				

Learn

Dict	Learn	Pim	Math	Time
1 English Sentence Exercises				
2 Listening and Learning				
3 TOEFL Exam Exercises				
4 Revision Dictionary				
5 Proverbs				

Pim

Dict	Learn	Pim	Math	Time
1 Name Card Manager				
2 Memorandum				
3 To do list				
4 Police Stations in Thailand				
5 Hospitals in Thailand				

Math

Dict	Learn	Pim	Math	Time
1 Calculator				
2 Multi-lines Calculator				
3 Scientific Calculator				
4 Graphic Calculator				
5 Statistical Calculator				

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Time

เวลา	วัน	เดือน	ปี	ชั่วโมง	นาที	วินาที
1	พฤษภาคม	2557	1	1	1	1
2	พฤษภาคม	2557	1	1	1	1
3	พฤษภาคม	2557	1	1	1	1
4	พฤษภาคม	2557	1	1	1	1
5	พฤษภาคม	2557	1	1	1	1

Note:

In the Dictionary menu, press any letter key to access the English-Thai dictionary or the Oxford dictionary and input this letter.

7. Input Method

7.1 Inputting English/Thai with Keyboard

- Press [THAI/ENG] to switch English/Thai input mode.
- Press [SHIFT] twice to temporarily lock the keyboard for inputting upper case.

7.2 Inputting Special Symbols with Keyboard

In English/Thai input mode, press [SHIFT], then

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press [SPACE] to select the corresponding special symbols to confirm.

Note:

Special symbols cannot be used as the first letter in dictionary input mode.

8. Select the Date

Ex. Select the correct date for the records in [Time] menu.

Press  /  and 

/  to select the

month and day.

Press  /  to

page up/down to

select the year.





1	2	3	4	5	6
7	8	9	10	11	12
SUN	MON	TUE	WED	THU	FRI
4	5	6	7	8	9
11	12	13	14	15	16
18	19	20	21	22	23
25	26	27	28	29	30

9. Set the Time

Set the time for the records in "Pim" and "Time",

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take [Time]-[1 Local and World time]-[1 Set Time] as example.

- Press numeric key [1] to access the time setting screen.
- Press letter key [A] to format date or time.
- * Press [A]/[P] key to select AM/PM. (Only available in 12 hours time format)
- Directly press  / ; or press [SHIFT], then press [THAI/ENG] to select hour/minute.
- Press  /  to adjust hour/minute
- Press [SAVE] to confirm.

Adjust time

08 : 03 am

3Now

Press [SAVE] to confirm.

Local City: Bangkok

Date: 2004/03/01

Time: 8:05am

ADate/Time Format Setting

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10. System Reset

When you use the unit for the first time or reset the system, you need to set it up as following:
The message will appear after displaying the startup picture.



- * If select “N”, it will access the main menu.
- * If select “Y”, all the default settings will be covered.
- * If you press letter key [C] to tick [Clear user data], and then select “Y”, all the personal data and settings will be deleted, then access the next screen.

11. Default System Settings

Local city:	Bangkok
Local time setting:	(03.01.2004), (08:00AM)
World city:	Tokyo
World time setting:	(03.01.2004), (10:00AM)
Time system:	12-hours system
Alarm sound:	Di-Di-Di
Key Tone:	Sound On
Daylight-saving Time:	None
Display language:	English
Auto-off Delay Time:	5 minutes
Opening setting:	Dictionary Main Menu
Password setting:	None

English-Thai Dictionary

- * A wide coverage of English entry word.
- * Provides smart input methods.
- * Allows secondary search: Spelling Check, Nearest Word and Add New Word.
- * Abundant and clear Thai definitions.
- * Up to 20 cross-search windows.
- * Abundant sample sentences, phrases, grammar and information.
- * Allows listening in English and Thai.
- * Allows data saving for review and self-test.

Thai-English Dictionary

- * A wide coverage of Thai words and phrases.
- * Provides smart input method.
- * Up to 20 cross-search windows.
- * Allows listening in Thai and English.

Thai-Thai Dictionary

- * Built-in Thai-Thai Dictionary
- * Provides detailed Thai definitions.

Oxford Dictionary

- * A wide coverage of English entry word.
- * Provides smart input methods.
- * Allows secondary search: Spelling Check, Nearest Word and Add New Word.
- * Abundant and clear English definitions.
- * Up to 20 cross-search windows.
- * Abundant sample sentences, phrases, grammar and information.
- * Listening and repeating after the pronunciation.
- * Allows listening in English and Thai.
- * Allows data saving for review and self-test.

Medical Dictionary

- * Latest Medical vocabularies with clear Thai definitions.
- * Provide smart input method.
- * Up to 20 cross-search windows.
- * Allows listening in English and Thai.

Idioms and phrases Dictionary

- * Idioms and phrases with clear Thai definitions.
- * Provide smart input method.
- * Up to 20 cross-search windows.
- * Allows listening in English and Thai.

Computer Dictionary

- * Computer symbols & IT vocabularies with clear Thai definitions.
- * Provide smart input method.

Engineering Dictionary

- * Latest Engineering vocabularies with clear Thai definitions.
- * Provide smart input method.

Management Science Dictionary

- * Provide 7 categories of Management Science Dictionary.
- * Latest management science vocabularies with clear Thai definition.
- * Provide smart input method.

Legal Dictionary

- * Provide Legal English Dictionary.
- * Latest legal vocabularies with clear Thai definition.
- * Provide Legal Thai Dictionary.
- * Latest legal Vocabularies with clear English definition.

- * Provide smart input method.
- * Up to 20 cross-search windows.

Abbreviation Dictionary

- * Provide the abbreviation of specific English word.
- * Provide smart input method.
- * Up to 20 cross-search windows.

Homonym Dictionary


- * Provide the homonym words for the words, which you entered in English.
- * Provide smart input method.
- * Up to 20 cross-search windows.
- * Allows data saving for review and self-test.


User's Dictionary

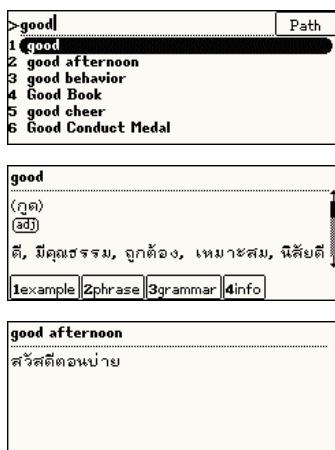
- * Allows to enter the user's own vocabularies.

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Type [g][o][o][d].

Press  to display its full definitions.

4. Press  to view next word.



1.2 Secondary Search








If the word you entered is not found, it might due to misspelling or the searched word is not included in this Dictionary. 2 secondary searching methods will be provided, and you can also add the word as a new entry in to User's Dictionary.

- * **Spelling Check:** Displayed words that similar in pronunciation.

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1. English – Thai Dictionary





1.1 Smart Input

- Type the first or the first few letters of an English word, a list of words will be displayed for you to select.
- Press [THAI-ENG] key to check the old record of words you've searched before.
- Press  /  to look up the words on the previous / next page.
- Press  /  to highlight the word, press  to look it up.
- The alternative way of looking up a word:
 - * Press corresponding numeric key.
- On the page of the word definitions, press  /  to display the previous / next word in alphabetical order.

Ex. look up "good" in English-Thai Dictionary.



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- * **Nearest word:** Access the closest word in alphabetical order.
 - * **Add New Word:** Add the word into User's Dictionary.
- Type an English word.
 - Press  to look up the word.
 - If no data is found, press the corresponding numeric key.
 - If you choose "1.Spelling Check", press  /  to select the word and then press  to confirm.
 - If you choose "2.Nearest Word", access the explanation screen of the closest word.
 - If you choose "3.Add New Word", access the input screen of User's Dictionary. You can input related information such as symbols, English characters, Thai characters and explanations for the new entry. If you have save this word in User's Dictionary, the next time whenever you input the same word, it shall be displayed.


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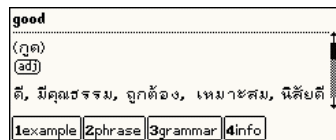
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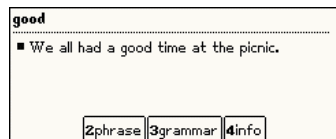
When the corresponding icon appears, press [1~4] to look up the related example sentences, phrases, grammar and other information such as synonyms and antonyms.

Ex. Look up the related data of “good” in English-Thai Dictionary.

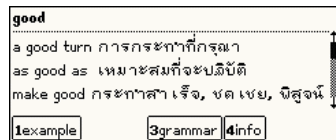
Type [g][o][o][d] and press 



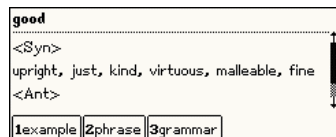
Press [1] to view all example sentences of “good”.



Press [2] to view all related phrase of “good”.



Press [4] to view synonym and antonym of “good”.



Note:




Other operations are same as above.

1.5 Cross Search

Highlight any words you want to look up. You may

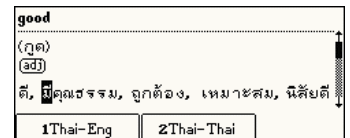
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open up to 20 windows to cross search the words among different dictionaries.

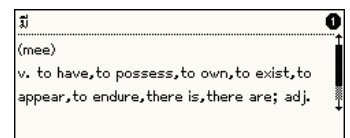
- Type a word.
- Press  or [SPACE]+  to highlight a word(s).
- Press  to look up the word(s).
- Press the corresponding function key at the bottom of the screen to cross-search the explanation in other dictionary.
- Press [ESC] to display the previous screen.

Ex. Cross search a Thai word & English word.

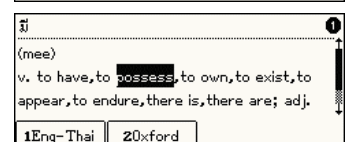
Highlight a Thai word.



Press [1] to cross-search this word in Thai-English Dictionary.

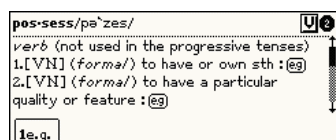


Highlight “possess”



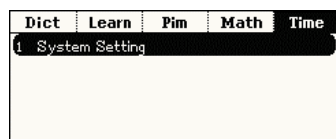
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
Press [2] to cross-search this word in Oxford Dictionary.

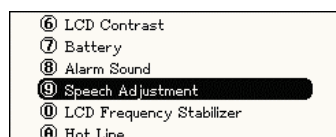





1.6 Pronunciation

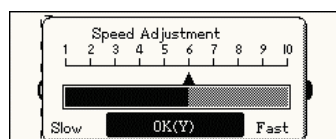
A. Go to Time then highlight “System Setting”.



B. Press  then highlight 9 Speech Adjustment.



C. Press  and press  /  To adjust speed.



1.7 Storing Data

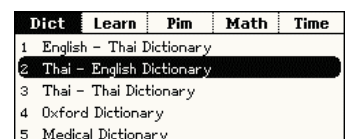
Press [SAVE] to store the English headword for reviewing and self-testing. Only the saved words


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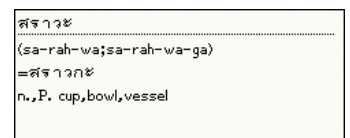
will appear in the Revision Dictionary under [Learn] Revision Dictionary].

2. Thai – English Dictionary

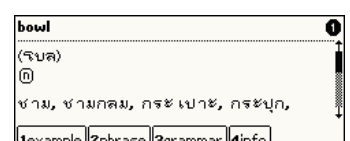
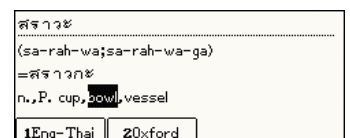
Press “2 Thai-English Dictionary.” in the main menu. Input Thai characters.



Press  to look up the word. Highlight an English word to be cross search.



Press [1E-T] to cross search in English-Thai Dictionary.




42

Note:

For details of cross search function, please refer to “1.5” cross search.

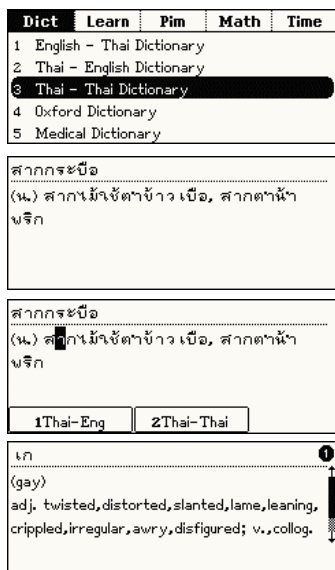
3. Thai-Thai Dictionary

Press [3.Thai-Thai Dictionary] in the main menu. Then press .

Type Thai characters.


Press  to look up the word. Highlight a Thai word to be cross search.

Press [1T-E] to cross search in Thai-English Dictionary.



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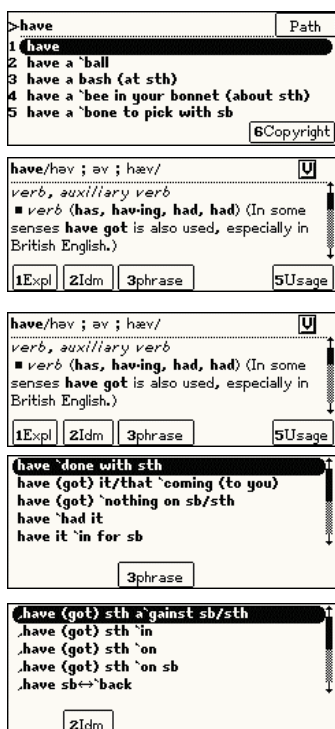
[ESC] then return to input screen. Type English letters.

Press  to look up the word

Press [1Expl] to display the explanation of the word.

Press [2Idm] to display the idiom of the word.

Press [3Phrase] to display the phrase of the word.



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Note:


For details of cross search function, please refer to “1.5 cross search”

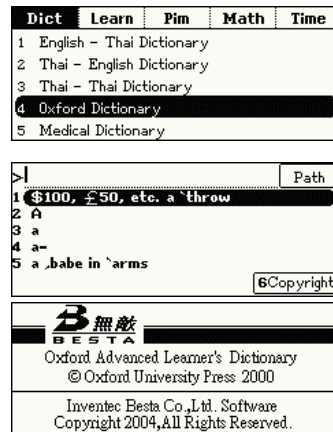
4. Oxford Dictionary

For details of instructions such as secondary search, wildcard search, cross search, pronunciation, storing data please refer to the operation of “1.English-Thai Dictionary”

Press “Oxford Dict.” in the main menu.

Input screen of Oxford Dictionary.

Press [6 Copyright] to display the copyright notice. Press  or



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Press [5Usage] to display the usage of the word.


Note:

For cross search function, please refer “1.5 Cross Search”

5. Medical Dictionary

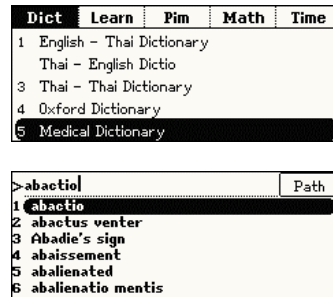
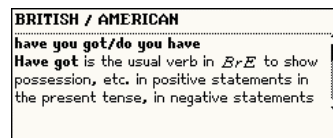
Press [Medical Dict] in the main menu.

Type the Medical word.

Press  to look up the word.

Note:

For cross search function, please refer “1.5 Cross Search”



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6. Idioms & Phrase Dictionary

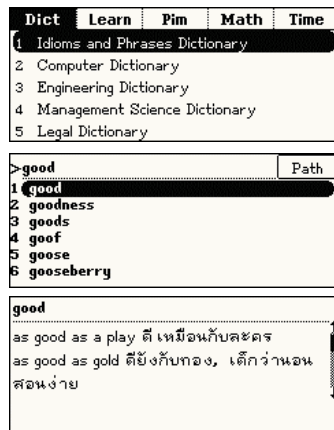
Press [1 Idioms and
Phrase Dictionary]
in the main menu.

Type English letters.

Press  to
look up the word.

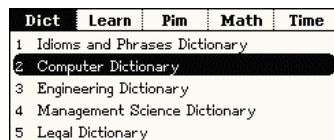
Note:

For cross search function, please refer “1.5 Cross Search”



7. Computer Dictionary

Press [2. Computer Dictionary] in the main menu.

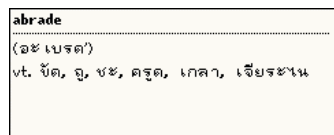


47

Press  to
look up the word.

Note:

For cross search function, please refer “1.5 Cross Search”

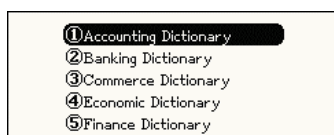
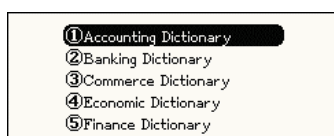
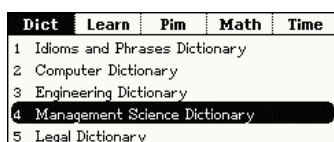


9. Management Science Dictionary

Press [4.
Management
Science Dictionary]
icon in the main
menu.


There is a sub-category in Management Science Dictionary.

Select a dictionary. (ex. Accounting Dictionary).



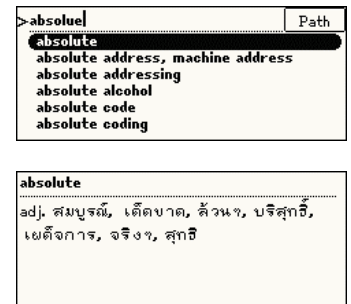
49

Type the
Computer word or
Compute symbol.

Press  to look up the word.

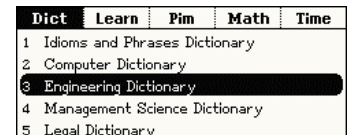
Note:

For cross search function, please refer “1.5 Cross Search”

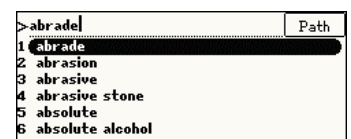


8. Engineering Dictionary

Press [3.
Engineering
Dictionary] in the
main menu.




Type the
Engineering word.



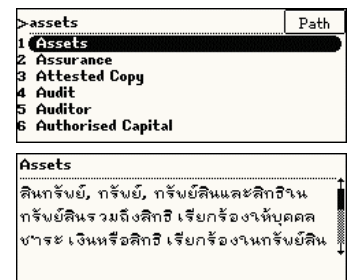
48

Type the
accounting word.

Press  to display the full explanation.

Note:

For cross search function, please refer “1.5 Cross Search”

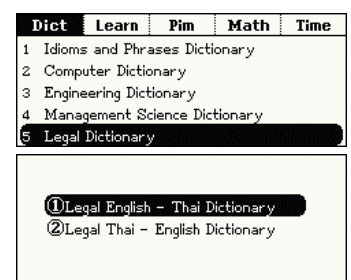


10. Legal Dictionary

Press [5. Legal Dictionary] in the main menu.

There is a
sub-category
in Legal Dictionary.

Select a



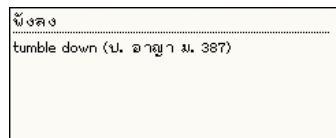
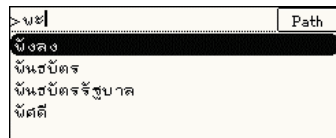
50

dictionary (ex. Legal Thai-English Dictionary).
Type the Thai characters.

Press  to display the full explanation.

Note:

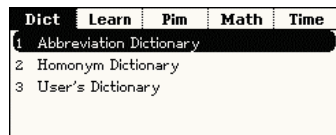
For cross search function, please refer “1.5 Cross Search”



11. Abbreviation Dictionary

Press [1. Abbreviation Dictionary] in the main menu.

Type the Abbreviation letters.



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Note:

For cross search function, please refer “1.5 Cross Search”

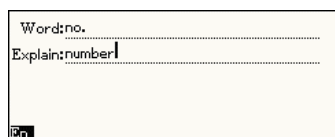
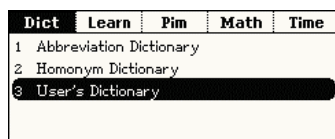
13. User's Dictionary

Press [User's Dict.] in the main menu.


Press (Y) to create new word.

Input user's word and explain.

Press [SAVE] to save the user's word.



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Press  to display the full definition.


Note:

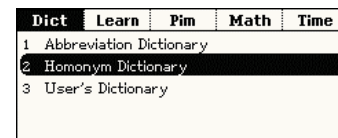
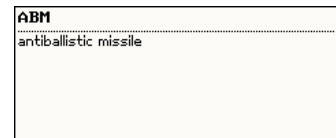
For cross search function, please refer “1.5 Cross Search”

12. Homonym Dictionary


Press [Homonym Dict.] in the main menu.

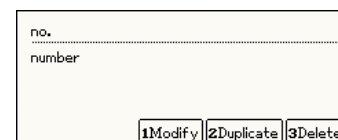
Type the English letter.

Press to  to display the homonym word.




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Press  to display the user's word and explanation.



- * Press [1Modify] to modify the user's word.
- * Press [2Dplicate] on the detail screen. Add some new data, modify the data or just keep it unchanged. Press [SAVE] to save as another record.
- * Press [3Delete], and press (Y) to delete the user's word.

If the dictionary Have saved user's word already press  to display the word and explanation.



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Part2. Learn

English Sentence Exercises

- * Provides 7 test levels to users.
- * Please rearrange the words of sentences into correct order.
- * You may check the correct answer or listen to the correct answer.
- * You can search your unknown words.

Listening and Learning

- * You can do listening review of your stored words and dialogues.
- * Listening comprehension and learning English anywhere, anytime.
- * Allows to set the number of repetition, time interval among sentences and display setting.

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- * Classified into 10 main themes and 46 situations
- * Up to 20 cross search windows
- * Provides conversation texts in English, Thai, Chinese, Japanese, Korean, French, German, Spanish, Italian and Dutch
- * Pronounces in English, Chinese, and Japanese.

Useful Vocabularies

- * Around 2000 commonly used nouns categorized into Apparel, Dining, Home, Transportation, Recreation, Sports, School, Society, Animals & Plants, and others.
- * Up to 20 cross search windows.

English Names

- * Provides Men/Women English names search.
- * Provides sources and meanings of names.

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TOEFL Exam Exercises

- * Provides learning, reviewing and testing, recalling and practicing functions in 4 main groups of English words, there are 1000/2000/3000 most commonly used words and TOEFL words.

Revision Dictionary

- * You can save some words in English-Thai and Oxford Dictionaries, then practice these words with “learning”, “review & test”, “recalling” and “practice” features.

Proverbs

Provides abundant English and Thai proverbs.
Up to 20 cross search windows.

Travel Dialogues

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- * Up to 20 cross search windows.

English Affixes

- * Provides English Prefixes/Suffixes.
- * Provides meanings and the Thai explanation of affixes.
- * Up to 20 cross search windows.

Adjectives

- * Provides abundant adjectives and their Thai explanations.
- * Up to 20 cross search windows.

Verb Patterns

- * Provides many kinds of verb patterns, and each pattern includes one sample sentence.
- * Up to 20 cross search windows.

Dictionary Appendix

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- * Provides dictionary appendix and you can cross search up to 20 windows.

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- * Press numeric key [4] to put an English word in the correct position. (2 points will be deducted)

Note:

A maximum of 10 points will be deducted for each sentence.

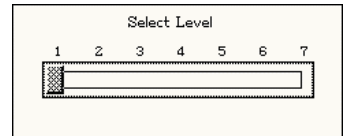
- C. Select a word and press  to confirm your selection. When practicing, you can correct the mistakes using the following methods.
- * Press  /  /  /  to move the cursor to highlight the wrong word.
- * Press  to move the highlighted word to the area above; or press [SPACE] to lock/unlock it, an arrow is marked beside the word, move the direction key, press  to move the word.
- * You can also press  to withdraw the word.
- D. Press [ESC] to exit from the exercise.
- E. After you have finished the practice session, your score will be displayed.




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1. English Sentence Exercises

Rearrange the words of the sentences into correct order. If your answer is wrong, the system will display the correct

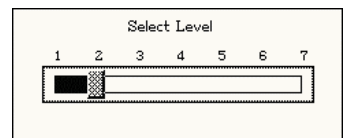
answer. You can set the level of difficulty from level 1 to 7.



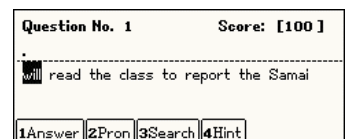
- A. Directly press the corresponding numeric keys; or press  /  to select level of difficulty, then press  to access.
- B. The practice starts from a full score 100points, 10points will be deducted for every wrong answer.
- * Press numeric key [1] to check the correct answer. (10 points will be deducted)
- * Press numeric key [2] to listen to the correct answer in English. (7 points will be deducted)
- * Press numeric key [3] to obtain the definitions of the highlighted word. (2 points will be deducted)


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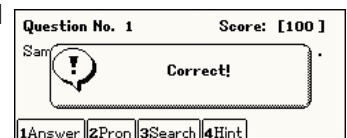
Ex. Select level 2



Rearrange the words in the sentence into correct order.





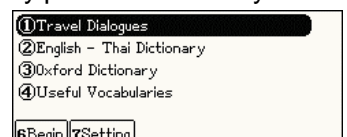
Highlight the selected word and press  to compose sentence.



Press [ESC] to exit.

2. Listening and Learning

Press  /  or directly press numeric key 1-5 to choose the category.





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Note:

For Item 2-5, you should have saved some words in English-Thai Dictionary, Oxford English Dictionary, Useful Vocabularies and Travel Dialogue (saved), otherwise a message "No Data" will be displayed.



- Press numeric key [6] to start the practice.
- The contents of words or dialogues will be displayed and pronounced one by one automatically.
- Press [ESC] to stop and exit from the function.
- Press numeric key [7] to set number of repetition, time interval and display selection.

Settings:

You can press  /  or press [SHIFT], then press [THAI/ENG] to select

① Number of Repetition	02
② Time Interval	04
③ Display Selection	on



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item, then press  /  to adjust.

Practising Screen

[T] สวัสดี (ตอนเช้า)
[E] Good morning.
[C] (早晨的招呼) 你好。

3. TOEFL Exam Exercises


Press the corresponding numeric key 1-4 or press  /  to select a category.



Initial screen:

① 1000 Commonly Used Words	
② 2000 Commonly Used Words	
③ 3000 Commonly Used Words	
④ TOEFL	

Total Words	902
Total Groups	46
Select Group	04

1 learning	2 review&test	3 recalling	4 practice
------------	---------------	-------------	------------

Press  to access the setting screen.

Press  /  to select a group number.

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Note:

For the operation of other functions, please refer to "4.Revision Dictionary".

4. Revision Dictionary

You should have saved some words in



English-Thai and Oxford Dictionaries firstly, otherwise a message "No Data" will be displayed.

- Press the corresponding numeric key or to choose a category.

① English - Thai Dictionary
② Oxford Dictionary





saved words	4
words in each group	20
total groups	1
from group	01

1 learning	2 review&test	3 recalling	4 practice
------------	---------------	-------------	------------

- Maximum 20 words in a group, if there are more than one group of words, you can select   to adjust the starting group number.

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4.1 Learning


- Press numeric key [1] to start viewing the definitions of the word.
- Press  /  to view definitions on the screen line by line.
- Press  /  to view the previous/next word and its definition.

4.2 Review & Test

- Press numeric key [2] to start.

say wo to fro	! Words Learning must be done first
1	OK(Y) Cancel(C)

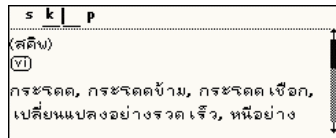
- Press letter key [Y] or  to start.

- Press  to learn the following word unit a message "Start" appears.

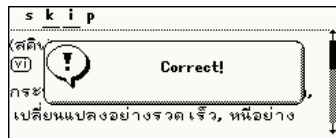
mean(1)	Start!
(คำ)	
vt	
ความ	
การกระทำ	

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- D. Type English letters to fill in the blank and form the complete word.



- E. Press to confirm.



Note:

If your answer is wrong, a message “Wrong!” and the correct answer will be displayed. You can highlight English/Thai words and cross search in the dictionaries.

4.3 Recalling

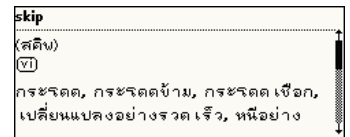
- Press numeric key [3] to start.



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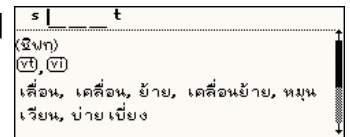
When the word appears, press

- to show the definition. Press again or press / to show the previous/next word.



4.4 Practice

- Press numeric key [4] to start.



The first and the last letters of the word appears, but other letters are blank. Fill in the blanks, press to see the result. If the answer is correct, “Correct!” will be shown, then displays next word.

Note:

If your answer is wrong, The message “Wrong!” and the correct answer will be displayed. You can

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highlight English/Thai words and cross search in the dictionaries.

5. Proverbs

It provides two kinds of proverbs: English and Thai proverbs.

- A. Type the first or the first few letters of the



proverb, a list of proverbs will be displayed for you to select.

- B. Press / to highlight the proverb, press to access its definition screen.

- * Press / to view the definition of previous/next proverb.
- * Press [ESC] to return to the index screen.

- C. When displaying explanations, press /

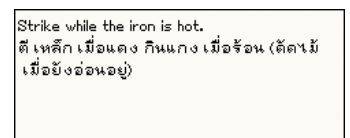
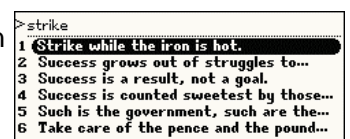
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- to look up the proverbs on the previous/next page.

Ex. Search the English proverb “Strike while the iron is hot”.

Input “Strike”, you can see the first one in the index screen is the just one we need.

Press to access the definition screen.



Note:

1. The operation of searching Thai proverbs is the same as above.
2. You can cross search up to 20 windows.

6. Travel Dialogues

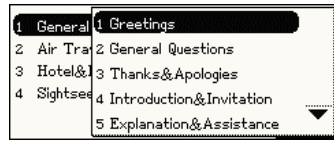
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6.1 Travel Dialogues

The dialogues are categorized into 10 Groups

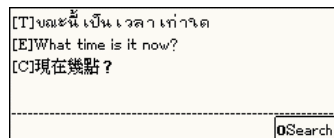


Press / to select an item, then press to open a sub-category.

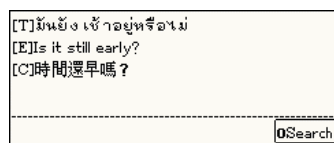


Press / or / to select.

Ex: Select "1 General Conversation" → "5 Time"



Press to view the next sentence

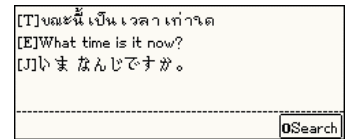


* Press [ENGLISH] to pronounce in English.

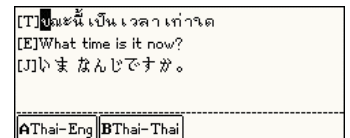
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- * Press [SHIFT], then press [ENGLISH] to pronounce in Chinese/Japanese language.
- * Press the numeric key [1]~[8] to view other languages. (Chinese, Japanese, Korean, French, Germany, Spanish, Italian and Dutch)

Ex: Press numeric key [2] to view Japanese.



Press to highlight any English or Thai letter to access cross-search.



6.2 Full Text Screen

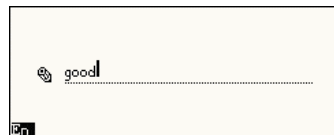
Full Text Search is to search the whole text in the Travel Dialogues that contains specified word or

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phrase.

- Press numeric key [0].
- Press [THAI/ENGLISH] to shift input method to enter a Thai/English keyword.
- Press to start.
 - * Press letter key [C] to search the next dialogue.
 - * Press [D] or press [ESC] to stop to search next one.

Ex: Search the dialogues that contain the word "good", then press to confirm.

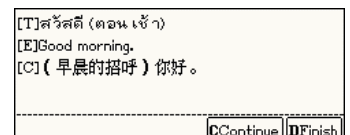


Note:

You should press [THAI/ENG] to shift input method firstly.

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Access a sentence which contains the word "good".



7. Useful Vocabularies

The useful vocabularies are categorized into 10 groups.

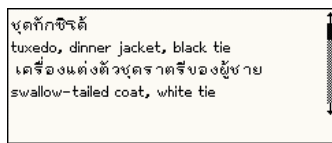


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Select a group and a sub-item.



Press to view English words and its Thai translation.



Press / to view the previous / next vocabulary.

Note:

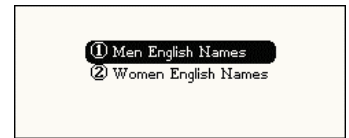
You can cross search up to 20 windows

8. English Names

- Input the English name.
- Press to view its origins and Thai meaning.
- You can cross search up to 20 windows.
- Press / to view the previous/next English name.

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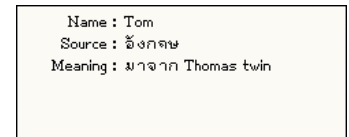
Ex. Select "Men English Names"



Input "Tom"



Press



Note:

The operation of Women English Names is same as the operation of Men English Names.

9. English Affixes

- Type the first or the first few letters of the affix, a list of affixes will be displayed for you to

76

select.

- Press / to highlight the affix, press to access its meaning and example screen.
 - Press / to view the meaning and example of previous/next affix.
 - Press [ESC] to return to the index screen.
 - You can cross search up to 20 windows.
- Press / to look up the affixes on the previous/next page.

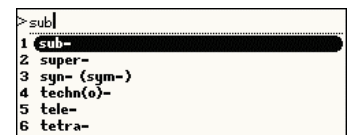
Select "1. English Prefixes" or "2. English Suffixes" to access English prefixes or suffixes index screen.

Ex. Press numeric key [1] to select "1. English Prefixes"

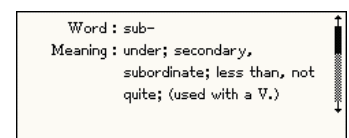


77

Input "sub"



Press



Note:



The operation of English Suffixes is same as the operation of English Prefixes.



10. Adjectives

- Type the first or the first few letters of the adjective, a list of adjectives will be displayed for you to select.
- Press / to highlight the adjective,


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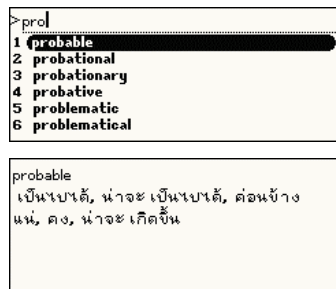
press [ENTER] to access its Thai meaning screen.

- * You can cross search up to 20 windows.
- * Press  /  to view the meaning of previous/next adjectives.
- * Press [ESC] to return to the index screen.


C. Press  /  to look up the adjectives on the previous/next page.

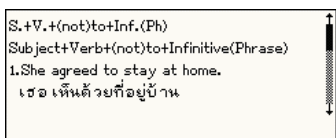
Input the adjectives you want to search.
Ex: Input "pro".

Select "probable", then press  to access the source and the meaning of Thai.



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Press  /  to display the previous/next pattern.

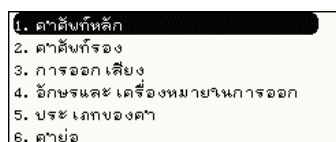






Note:


You can cross search up to 20 windows.

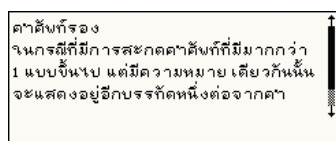
12. Dictionary Appendix

The "Dictionary Appendix" initial screen.



Press  /  to scroll a line up/down;
Press  /  to page up/down.


Select one and press  to look up; or directly press corresponding




81

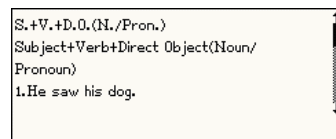
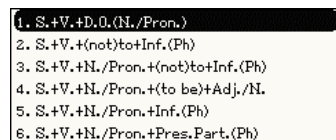
11. Verb Patterns

The "Verb Pattern" initial screen.

Press  /  to page up/down to view.

Select the one you want to look up, press ; or directly press corresponding numeric key.

Press  /  to scroll a line up/down.



80

numeric key.

Note:

You can cross search up to 20 windows.

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Part3. Pim

Name Card Manager

- * Allows to create the name card for friends, relatives, commerce and so on.
- * Allows to edit category.
- * Provides keyword and telephone number search.
- * Classified into 5 categories, names in these categories can be changed or modified.
- * Allows to duplicate, modify, delete a record or create a new one.
- * Allows to set a password for the security of saved data.

Memorandum

- * Allows to input Thai, English, numbers and special symbols.
- * Allows to edit category.

83

Eastern and so on.

- * Provides the detailed name, address, post code, telephone, fax and the local province of the police station.

Hospitals in Thailand

- * Provides hospitals in this country, including Bangkok, Suburban, Central, Eastern and so on.
- * Provides the detailed name, address, post code, telephone, fax and the local province of the hospital.

Thai Embassy Overseas

- * Provides all Thai Embassy in other countries, including in America, Europe, Africa and so on.
- * Provides the local city, state, detailed address, telephone, fax and homepage of the Embassy.

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- * Classified into 3 categories, the categories can be changed and modified.
- * Allows to duplicate, modify, delete a record or create a new one.
- * Allows to set a password for the security of saved data.
- * Allows to set a password for the security of saved data.

To Do List

- * Allows to set the priority of each task.
- * Allows to access daily task arrangement.
- * Allows to duplicate, modify, delete a record or create a new one.
- * Allows to set a password for the security of saved data.

Police Station in Thailand

- * Provides police stations in this country, including Bangkok, Suburban, Central,

84

Telephone Information

- * Provides International Dialing Guide, Country Code all over the world and Thai Area Code.

Chinese Fortune Teller

- * Allows to search fortune teller of yourself.
- * Allows to open the calendar to input birthday and select birth time.
- * Allows to look up weight.
- * Allows to shift solar and lunar.

Physiological Curve

- * Allows to open the calendar to input your birthday and the date you want to look up.
- * Provides you with three kinds of curves: Emotion, Mental and Physical.
- * Provides analysis of the curve.
- * Allows to shift solar and lunar.

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Personal Information

- * Allows to input your detailed personal information, and you can save and modify it.

Operation Summary

1. Data Input

Name Card Manager, Memorandum and To Do List provide corresponding data items to users. You can input data by using the desired input methods.

- * Provides fields for inputting data.
 - A. Press [THAI/ENG] to select the corresponding input methods;
 - B. Press  to move the dotted frame to select  column, then press  to select items from the drop-down menu.
 - C. Press  /  to scroll up/ down to input data.
 - D. Press  /  to view the column;
 - E. Press  to go to the next line;
 - F. Press [SAVE] to store the data;
- * Provides to edit the category. (except To Do List)

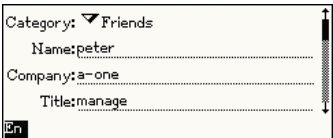
Ex. Name Card Manager

1.1 Input Data in Column

Select the column



Input data



Press numeric key to select category








1.2 Edit Category

Editing the Category

The Name Card Manager is classified into 5 default categories, including Commerce, VIP, Personal, Relative and Friends. You are allowed to increase 3 more categories; Memo is classified

to 3 kinds: "Daily, Commerce, Family", and you are allowed to increase 5 more categories. The new categories can be deleted in Time-->[Memory]. All names of the categories can be changed or modified.

- A. In the index screen, press  to select "All Cards" column, then press  to select [4 Edit Category] to open the category window.
 - * Select a category, then press  to modify the name.
 - * Press  to scroll the line and search a blank category, then press  to edit.
- B. Press [SAVE] to confirm.

Select corresponding field to set category

Press corresponding numeric key to modify the name of the category.

2. Data Index

If there is saved data, it will provide the data index when you access the function, then you can select corresponding items to search the content. Privacy data and data deletion functions are available in the index screen.

- * You can directly access the detail view.
- * Memorandum provides categories, you can select one of them to access the index screen.
- * Schedule index screen provides "A day

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In the index screen, select one, then press to access detail view.

Operation Steps:

1. Name Card Manager

1.1 Input Data

Allows to create, input, store, search, edit or delete name card data.

If you use it for the first time, Press letter key [Y] to add data; If there has already data saved, press numeric key [1] to add data.

schedule, all schedules, week and day charts".

- * To Do List index screen provides data search by date.
- * Anniversary index screen provides lunar and solar calendar selection.
- * Class Schedule does not provide the index. You can directly access it to view your records.

Ex. Name Card Manager

Select one in the index screen.

3. Detail View

The detail view screen provides you with detail data contents. You can modify, duplicate, delete data or add new one.

Ex. Name Card Manager

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Input data



- Press to move the dotted frame to select column, then press to select one category from the drop-down menu.
- Press direction key to move cursor to input data.
- When inputting the "birthday", you can access the calendar to select a date.
- After finishing inputting data, press [SAVE] to save the data, and return to the index.

Provides detailed view to facilitate users to look up.

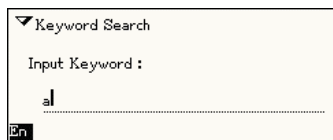
1.2 Search Data


In the index screen,


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press numeric key [2], then press direction key to move the dotted frame to select , press , then press numeric key to select Keyword/Tel Number Search.

Input keyword "a", then press .



Press numeric key [1] or  to access detail view screen. Press numeric key [3]/[2] to view next/previous data.



Note:

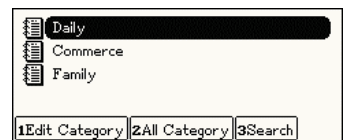
If the password has been set in the <Time — System Setting— Password Setting>, you must input the password first to open the Name Card Manager.



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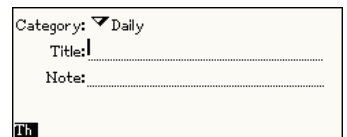
2. Memorandum

Provides "Daily, Commerce, Family" 3 built-in categories and other 5 categories created by users to manage daily memorandum.



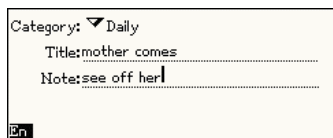
- * Press numeric key [1] to add or edit category.
- * Press numeric key [2] to show all saved data in all categories.
- * Press numeric key [3] to search data.

Select a type of category. If you use it for the first time, Press letter key [Y] to add data; If there has already data saved, press numeric key [1] to add data in the corresponding index screen.

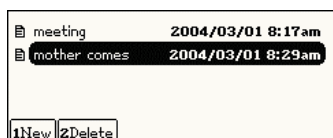



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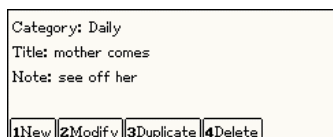
Input data.



Press [SAVE] to return to the index screen.



- * Press numeric key [1] to add data.
- * Press [2] to delete data.
- * Select highlighted data, then press  to access detail view screen.



Note:

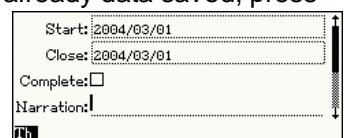
For operation steps about adding, editing, searching, deleting and securing data, please refer to 1.Name Card Manager.

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3. To Do List

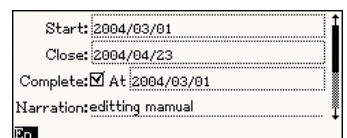
The usages of To Do List are very similar to Name Card Manager, only brief explanations will be provided here.



If you use it for the first time, press letter key [Y] to add data; If there has already data saved, press numeric key [1] to add data.




3.1 Adding Data

Input data



- * Press  /  to move the dotted frame to select "□", then press [SPACE] to mark to select the completing time.
- * When you select "Priority" column, press

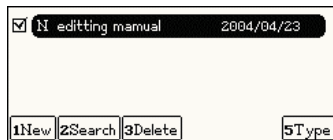
98

 to select the level of priority.

* Press [SAVE] to return to the index screen.

In the index screen:

You can add new or delete item, also can search and select the type of display.



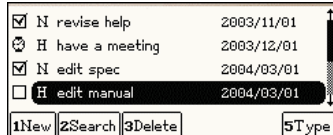
Press numeric key [5]

to select the type of display: All,

Unfinished and


Finished. Ex. Select


"All".




3.2 The Index Screen

The following icons show the status of a task.

—Time is up but the task has not been completed yet.

—The task has been completed

—The task has not been completed yet.

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3.3 Searching the Events of a Specified Date

Press numeric key [2] on the index screen and select a date, the task of the day will be displayed.

Ex. View the task of

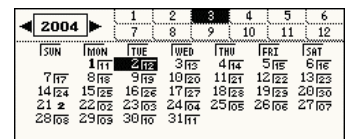
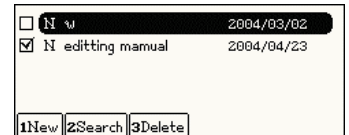
2nd, March.

Press [2] to search,

select 2nd, March

Press  to

confirm.

Note:

For other operation such as modifying, duplicating or deleting the data, please refer to the related explanations in Name Card Manager.

4. Police Stations in Thailand

There are police stations in Thailand, including the detailed name, address, post code, telephone,

100

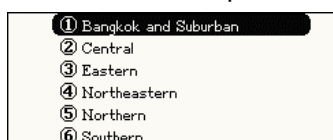
fax and the local province of the police station.

* Press  /  or  /  to look up data.

Area Index Screen:

Select one, then

press .

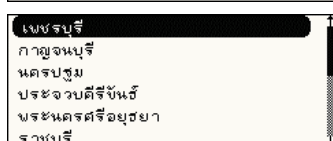


Province Index

Screen:

Select one, then


press .

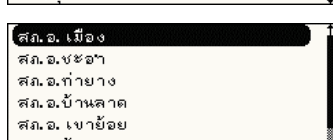


Police Stations Index

Screen:

Select one, then

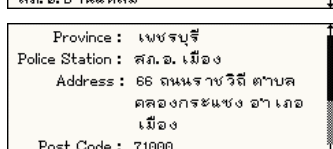
press .



Detailed Screen:

Press  /  or

 /  to look up.



Press [ESC] to return

to the previous

screen.

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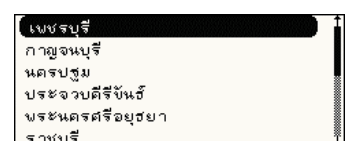
5. Hospitals in Thailand

There are hospitals in this country, including Bangkok, Suburban, Central, Eastern and so on.

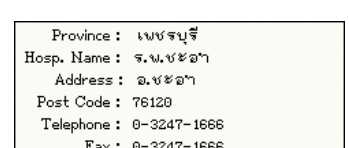
It provides the detailed name, address, post code, telephone, fax and the local province of the hospital.

Ex. Select "Central"

area:



Detailed Data:



Note:

The operation of this item is same as the former (Police Stations in Thailand), please refer to the related explanation of it.

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6. Thai Embassy Overseas

Ex. Select "Africa":

Then select "Morocco", press



Note:

The operation of this item is same as the operation of Police Station in Thailand, please refer to the related explanation of it.

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7. Telephone Information

The initial screen:

Ex. Select "Country Code", press



Input the first letters of the country to look up the code.

Press / to search line by line;

Press / to page up/down.

8. Chinese Fortune Teller

Make comments on one's date based on year, month, date and hour of birth.

A. Press / to shift the fields.

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- * Select "Birthday", press to open the calendar to select.
- * Select "Birth Time", press to choose the time menu.

B. Press letter key [B] to view the weight of the hour of birth; Press [A] to view the analysis; Press [C] to shift lunar/solar date.

Ex. Searching "Jan.22th,1997"

Fortune Teller Menu

Select or input the time of birth or the hour.

Press letter key [A] to view the analysis.

9. Physiological Curve

B. Press / to shift the fields.

- * Select "Birthday", press to open the calendar to select.
- * Select "Date", press to open the calendar to choose a date.

B. Press letter key [A] to select the three kinds of curve: "1 Emotion, 2 Mental and 3 Physical". Press [B] to view the integral analysis of the three curves; Press [C] to view the analysis; Press [D] to shift lunar/solar date.

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Birthday:
 Date:

Birthday: 1981/10/02
 Date: 2001/03/20

ACurve BIntegrate CAnalyse DLunar

	Highest Day	Lowest Day
Emotion	02	16
Mental	14	30
Physical	01	12

ACurve

BIntegrate

CA Analyse

Greeting: hello
Name: alwyn
Company: samsung
Title: saler
Modify

The method of inputting or modifying data is same as Name Card Manager, please refer to the related explanation of it.

Part4. Math

Calculator

- * 12-digit calculator for four fundamental arithmetical operations.
- * Other calculations: percentage, square root.

Multi-lines Calculator

- * Four basic arithmetical operations
- * Ordinal data list for searching and modification
- * Stores up to 99 data entries.

Scientific Calculator

- * Allows to change counting system and angular unit.
- * Function, Boolean calculation and conversion for angle, radian.

109

Graphic Calculator

- * Graphic of functional equations, and parametric equations
- * Display four function graphs simultaneously
- * Graphic process: transformation, tracing, shade, integral, and inequality for graphed equation.

Statistical Calculator

- * Four basic arithmetical operation arithmetical operation, calculate functions and integrals
- * Statistically calculates uniform statistic, linear regression, logarithmic regression, index regression and power regression based on the values entered
- * Stores, analyzes for data up to 99 data entries.

110

Formula Calculator

- * Provides mathematic formula and fundamental equations used in calculation of area volume, series, probability, geometry and triangle.
- * Calculates formula depending on the entered variables.

Unit Conversion

- * Conversion computation among units of the measurements: length, temperature, area, calorie, volume, power, weight and pressure

Currency Conversion

- * Conversion computation among about 140 currencies
- * You are allowed to set exchange rate and base currency

111

Size Conversion

- * Conversion charts of European, US and Japanese garments size

Expense Management

- * You are allowed to manage your incomes and expenses
- * State the income and expense and exchange the special currency.

Investment Management

- * You are allowed to manage your personal investment
- * The default investments are: stock, fixed deposit, currency, gold, bond and you are allowed to increase new categories

112

Loan Management

Calculates loan amount, repayment and interest with known values.


1. Calculator

1.1 Function Keys

MR: memory replay ([J])
MC: memory clear ([H])
M -: minus from memory value ([K])
M+: plus into memory value ([L])

Memory	288
	Dec
	0.



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the result is 25.
Ex. Square Root: Calculate $3 \times \sqrt{66}$
Press [6][6], [D], [U], [3], , the result is 24.3721152139.


2. Multi-lines Calculator

Ex. Press [1][1], [U], [6], [O], [4][6], [I], [1][0],

.

The result is 102
Press  to highlight line, then press 

/  to select a line to modify.

Ex. Select the second line, press [8][7], .

The result is 993.


01	11
02 ×	6
03 +	46
04 −	10
=	102

01	11
02 ×	87
03 +	46
04 −	10
=	993

Note:

When the result is over 9999999999, it will appear error.


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AC: all clear ([N])
C: clear ([M])
+/-: plus or minus ([P])
%: percentage ([V])
. : a decimal point
÷: division ([Y])
×: multiplication ([U])
-: subtraction ([I])
+: addition ([O])
√: square root ([D])
=: view result ()

1.2 Four Basic Arithmetical Operations


Follows the rules of multiplication and division first, addition and subtract latter.

Ex. Calculate $10 + (10 \times 12) = ?$

Press : [1][0], [L], [1][0], [U], [1][2], [L], [J], , the result is 130

Other Operations








Ex. Percentage: Calculate 20% of 125.

Press [2][0], [V], [U], [1][2][5], ,

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3. Scientific Calculator


3.1 Function Keys

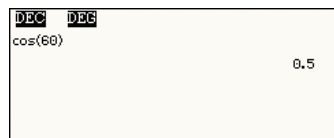
sin: sine ([W])
cos: cosine ([E])
tan: tangent ([R])
Ln: natural logarithm ([S])
Log: logarithm ([A])
Mode: shift among counting systems ([SHIFT]+[X])
 x^y : yth power ([SHIFT]+[F])
 x^2 : square ([SHIFT]+[D])
reciprocal of sin, cos, tan, x^y , x^2 , ln, log.
Inv: $(\sin^{-1}, \cos^{-1}, \tan^{-1}, \sqrt{x}, e^x, 10^x)$
Hyp: “hyper” of hyper sine, hyper cosine and hyper tangent. ([SHIFT]+[Q])
A. Press [SHIFT]+[X] to shift among  /  /  / .
* DEC—decimal HEX—hexadecimal
BIN—binary OCT—octonary
B. Press [SHIFT]+[Z] to shift among  /  / .

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- * DEG—degree RAD—radian
GRAD—gradient


Ex: $\cos 60 = ?$ Steps follow:

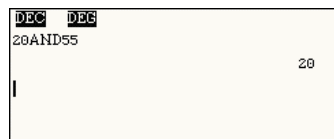
Press [E], [6][0], press , the result is 0.5



Ex: 20AND55=?


Steps follow:

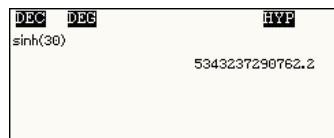
- Press [2][0]
- Press “and” ([SHIFT]+[Y]).
- Press [5][5], press .



Ex. $\sinh(30) = ?$

Steps follow:


- Press [SHIFT]+[Q], “HYPER” will be displayed on the right top of the screen.
- Press sin ([W]).
- Press [3][0]
- Then press  to confirm.

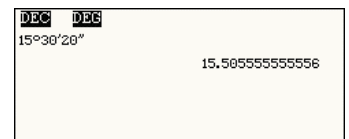


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Ex: How to convert minutes and seconds to degrees?


Ex: $15^{\circ}30'20'' = ?$ Steps follow:

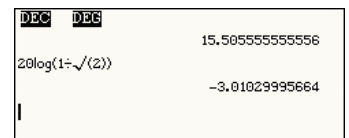
- Input [1][5], press [T]
- Input [3][0], press [T]
- Input [2][0], press [T]
- Press .



Ex. Calculate $20\log(1/\sqrt{2}) = ?$


Steps follow:

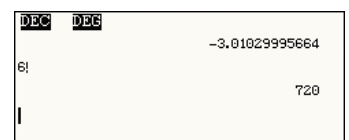
- Input [2][0], press [A]
- Input [1], press [Y]
- Press [D], input [2]
- Press .



Ex: $6! = ?$

Steps follow:

- Input [6]
- Press [V] to input !
- Press .



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Press [N] to clear all numbers.

Note:

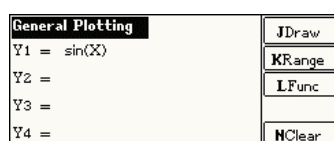
Hexadecimal, octonary and binary mode do not support scientific symbols.

4. Graphic Calculator

You can press  /  to select “General plotting” or “Shade plotting”.

Ex. $Y1 = \sin(x)$. Steps:

- Select “1.General Plotting”.
- Press letter key [L] to select [sin]
- Input [x] (press [C])



[JDraw]: To draw the functional graphic.

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[KRange]: To view the default range of values.

[LFunc]: To select the function type.

[NClear]: To delete all values.

- * Press [K] to view the default range of values.

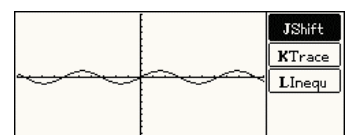
- * Press [J] to re-set the range of coordinates as the standard values.




- * Press [L] to confirm.

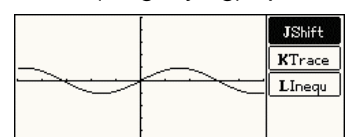
- * Press [N] to delete all values.

Press [J] in the initial input screen to draw the Graphic.






- * Press [J] to access transforming.
- * Press [K] to select tracing method.
- * Press [L] to access in equation calculation.

Press [J]→select “2.Zoom In (Magnifying)”, press →press




 again

Press [K]→select “1. Tracing Along Curves”,
press →press  /  to select any dot

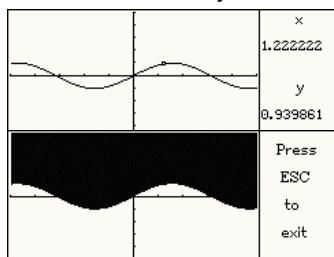
along the curve to
display the

coordinate number

Press [L]→select

“Y1”, press 

→select “1.Y>=f(X)”



5. Statistical Calculator

[JFunc]: To select a trigonometric function.

[KCalc]: To select a calculation type. (Uniform
Statistic, Linear regression, Logarithm
regression, Exponential regression,
Power regression)

[LSort]: To select a sorting type (rise or fall in
X, rise or fall in Y)

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Press [K], select “1.Uniform Statistic”.

Note:

$$n=7+2+4+5+3+8+6+5=40$$

$$\Sigma X=60*7+65*2+70*4+75*5+80*3+85*8+90*6+100*5=3165$$

$$S_x = \sqrt{\frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2}$$

$$S_y = \sqrt{\frac{1}{n-1} \sum_{i=1}^n (y_i - \bar{y})^2}$$

Uniform Statistic	
n = 40	$\sigma_x = 12.790988038$
$\bar{x} = 79.125$	$\Sigma x = 3165$
$S_x = 12.95393713$	$\Sigma x^2 = 256975$

Sorting Type:

- Ascending sort from X-Sorts X in ascending order.
- Descending sort from X-Sorts X in descending order.
- Ascending sort from Y-Sorts Y in ascending order.
- Descending sort from Y-Sorts Y in descending order.

The Table of regression:

Types of regression	Formulae	Range of values
Linear	$y=a+bx$	

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[NClear]: To delete all statistical data.

For uniform statistic
calculation, Yi is the
total number of Xi.

For example, 10

people got 60 points, means that (Xi, Yi) is
(60,10).

Ex. Mathematics exam scores of a class of 40
students are as follow:

Score The No. of students

60 7

65 2

70 4

75 5

80 3

85 8

90 6

100 5

Input all data

i	Xi	Yi
00		
01		
02		

JFunc KCalc LSort NClear

i	Xi	Yi
06	90	6
07	100	5
08		

JFunc KCalc LSort NClear

Logarithm

$$y=a+b \ln x$$

X>0

Index

$$y=ab^x$$

Y>0

(Exponential)

Power

$$y=ax^b$$

X>0,Y>0

6. Formula Calculator

Press  /  or 


to select the
first category, and
then select the
sub-category.

Ex. Select

“4.Probability”. Steps:

Select “4. Probability”

under the formula
calculator menu,

press .

① Area
② Volume
③ Series
④ Probability
⑤ Geometry


① Binomial distri prob fnt
② Poisson distri prob fnt
③ Geometry distri prob fnt
④ Non-Euclid geom prob fnt
⑤ Exponent distri prob fnt


Select “1.Binomial

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distri prob Fnt"

Input [5], [8] [0.5]

(Press  to input next value).





Press  to calculate.

$$P(X) = \binom{n}{x} p^x (1-p)^{(n-x)} \quad 0 < p < 1$$

$$X = 0, 1, 2, \dots, n$$

$x = 5$
 $n = 8$
 $p = 0.5$
 $P = 0.21875$

7. Unit Conversion

- Press direction keys to select your desired category, then press  to access.
- Press [SHIFT], then press [THAI/ENG], or directly press  /  to shift fields, then press  to select a measurement.
- Input value and view result.

Ex. Convert 238Kg to SCT.

Press numeric key [7] in initial screen.

Select measurement.

Press  /  to

select item line by

line; Press  / 

to page up/down.

Press [3].

Press [SHIFT], then press [THAI/ENG] to select "Num", input "238"

SCT	SLT
Rate 1	: 16.0
Num 0.0	= 0.0
Num 0.0	= 0.0
Num 0.0	= 0.0
Num 0.0	= 0.0

Select Unit	LT
1 SCT	6.0
2 SLT	0
3 Kg	0
4 Ounce	0





Kg	SLT
Rate 1	: 16.0
Num 238.0	= 3808.0
Num 0.0	= 0.0
Num 0.0	= 0.0
Num 0.0	= 0.0

8. Currency Conversion

8.1 Set the Currency Exchange Rates

Before proceed to the conversions, please make sure the currency exchange rates, and a standard currency is set accurately.

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- Press numeric key [1] to set exchange rate, base currency and value.
- Press  /  or  /  to select currency, then press numeric key [2] to look up the country of the currency.


8.2 Currency Conversion

Ex. Change JPY800 to other currencies.

Press [1] in the initial screen to access the setting screen.

Base	USD	Sum	1.0
THB:			41.68
JPY:			118.18
EUR:			0.8535
TWD:			34.677

Press [SHIFT], then press [THAI/ENG] to shift fields, press  to open the drop-down menu to select.

Select "Sum", press , input 800

Base	1 THB	
	2 USD	8234896
	3 JPY	6166864
	4 EUR	2203419
	5 TWD	2528347

Press [SAVE] to confirm.

DEC		800.			
7	8	9	÷	CE	
4	5	6	×	→	
1	2	3	-	%	
0	+/-	.	+	=	

Base	JPY	Sum	800.0
THB:			282.145879167
USD:			6.76933491284
EUR:			5.77762734811
TWD:			234.740226772

9. Size Conversion

Ex. Check size equivalent of "Men Shirts"

Size Conversion menu.


Size Conversion
① Women Clothes
② Women Shoes
③ Women Hats
④ Men Shirts
⑤ Men Shoes

Press numeric key [4] to select "Men Shirts".

America	14	14½	15	15½
Britain	14	14½	15	15½
Japan	36	37	38	39
Europe	36	37	38	39

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Press  to scroll a line.

America	14½	15	15½	16
Britain	14½	15	15½	16
Japan	37	38	39	40
Europe	37	38	39	40

10. Expense Management

10.1 Adding Data

Ex. Adding an expense: 550 dollars.

Category: Expense
 Date: 2004/02/06
 Currency: TWD(TAIWAN)
 Sum: 550.00

The editing screen.

Press  /  to select fields.

Inputting data.

Press [SAVE] to access the index screen.

Date	Sum	Narration
2004/02/06	550.00	rttrter
2004/03/01	780.00	feast

1New 2Total 3Delete

Note:

- * The displaying category under the index screen will be the category you create a new record.




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- * Type and Method are unavailable in "Income".

10.2 The Index Screen

In the index screen, you can set the fields to be displayed.

Ex. Displays the type of the expenses on the screen.

Press [SHIFT], then press [THAI/ENG] or directly press  /  to select "Narration", press .

Date	Sum	1 Narration
2004/02/06	550.00	r
2004/03/01	780.00	f

1New 2Total 3Delete

2 Note
3 Type
4 Position
5 Method

Press [3] to select "3 Type"

Date	Sum	Type
2004/02/06	550.00	Food&Drink
2004/03/01	780.00	Food&Drink



1New 2Total 3Delete

10.3 Total Expense or Income

A. Press numeric key [2] in the index screen to

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access the total expense or income.

B. Press [SHIFT], then press [THAI/ENG] or directly press  /  to select a category, Start Date, Close Date, Currency etc.

C. Press numeric key [1] to calculate.


Ex. Calculate the total expenses of "Daily routines" from 15 Jan 2003 to 15 Feb in US dollars.


Press [2] in the index screen to total, set start date, close date, currency, type and the playing method. Press [1] to calculate

Category: Expense 1Calc
 Start Date: 2003/03/01
 Close Date: 2004/03/01
 Currency: THB(THAI)
 Tp: All Types Md: All Modes

Category: Expense 1Calc
 Start Date: 2003/01/15
 Close Date: 2003/02/15
 Currency: USD(USA)
 Tp: Other 1 Md: Transfer

11.1 Adding Data

A. Press  /  to select fields to input data.

B. Select "Category", press  to select Stock, Deposit or Currency.

Ex. Adding a new stock data: buy 500 shares of "Hier" at 7.8 dollars, the closing price is 7.75 dollars.

The editing screen. Input data.

Category: Stock
 Item: Hier
 Invest: 0.00
 Value: 0.00
 Th

Category	Item	Invest	Value
Stock	Hier	3,900.00	3,875.00
Stock	Star	1,937.00	1,899.00

Invest(I): 5,837.00, Value(V): 5,774.00
 1New 2Total 3Delete 4Category

Press [SAVE] and access the index screen.

11.2 Total

Press numeric key [2] in the index screen to calculate the return date and display the result on a chart.

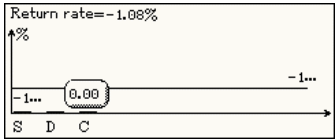
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Press / to view the details.

Ex. Calculate the return rate.

Press [2] in the index screen.



Note:

For securing, browsing, modifying, duplicating, deleting data, please refer to the related explanations in “Pim→Name Card Manager”.

12. Loan Management

- A. Press [SHIFT], then press [THAI/ENG], or directly press / to move the dotted frame to select “Loan Amount”, then press [ENTER] to select a type.
- B. Same operation as above to select “Year Rate”, press ENTER to select “Year/Month Rate”.
- C. Input all known values.
- D. Press letter key [A] to calculate.
- E. Press letter key [B] to the default.

Ex. If the loan amount is 10,000, year interest rate is 5.58%, the loan will be repaid within 60 months, please calculate the repayment each month.
Select type

Press [2]

A calculator screen with a yellow background. It shows a menu titled "Calculation Type:". There are four options: "1 Loan Amount", "2 Repay By Term", "3 Interest Rate", and "4 Repay Terms". To the right of the menu is a vertical column of input fields. Below the menu, there are two buttons: "BDefault" and "ARepay By Term".

Input all known values

A calculator screen with a yellow background. It shows input fields for "Loan Amount" (10000.00), "Year Rate (%)" (5.58), and "Repay Terms" (60). Below the input fields are two buttons: "ARepay By Term" and "BDefault".

Press letter key [A] to calculate repayment amount.

A calculator screen with a yellow background. It shows the calculated repayment amount: "191.381095896". Below the calculation result are two buttons: "ARepay By Term" and "BDefault".

Local and World Time

- * Displays the local time and the time of another cities simultaneously
- * Provide many cities for selection
- * Allows to adjust time, date and cities
- * Provides settings of daylight-saving time (DST or summer time) and 12/24-hour systems
- * Provides alarm clock functions
- * Provides timer functions

Schedule

- * Allows to input Thai, English, numbers and special symbols
- * You are allowed to define the field names
- * Allows to set the alarm for important

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scheduled activities

- * Allows to access daily and weekly schedules
- * Allows to duplicate, modify, delete a record or create a new one
- * Allows to set a password for the security of saved data

Class Schedule

- * Allows to input Thai, English, numbers and special symbols
- * Allows to duplicate, modify delete a record or create a new one.

Worked Hours and Management

- * Calculates total working days, working hours or the finished working day

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Anniversary

- * Allows to create lunar and solar Anniversary records
- * Allows to input Thai, English, numbers and special symbols
- * You are allowed to define the field names
- * Allows to duplicate, modify, delete a record or create a new one
- * Allows to set a password for the security of saved data

Lunar and Solar calendar

- * Provides the lunar and solar calendars simultaneously
- * Provides calendars from year January 1881 to December 2031

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- * Allows to view 6-months calendar in one screen
- * Allows to check daily routines, schedules, tasks and anniversary

Thai Charter of History

- * Provide the history of Thai charter

Games World

- * Provides many funny games, to save user's memory space, all the games can be deleted by user
- * You can download all the games from CyberDict Technology website or the CDROM which comes with this device

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Memory

- * Provides memory management for the device and the expansion card (SMC)
- * Provides 2 kinds of file browsing mode: Shortcut Mode (for specified data of the device only) & More DirMode
- * You can format SMC on this device to ensure it is well-formatted before using it
- * Allows to delete personal data, files or folders, create new folder, rename folder / file, as well as delete folder
- * Allows to exchange data (cut, copy, paste) between device and the extension card (SMC)
- * Allows to optimize the memory management

alarm sounds for schedule alarm, daily alarm and opening greeting music

Information Communication

- * Allows to exchange personal data with a computer via PC-Link or transfer downloadable titles, files and software from a computer.




System Setting



- * **Menu Setting:** Thai / Icon / English
- * **Picture Setting:** No Drawing / Internal Drawing / Custom Drawing / Default Drawing
- * **Speech Adjustment:** Settings of Volume & Speed
- * **Password Setting:** for the security of personal data
- * **Power Management:** Settings of Auto Power Off Time and Auto Power Saving Time
- * **Alarm Setting:** Allows to select different



1. Local and World Time

1.1 Select the Cities


Many cities will be displayed together with the time differences the cities and Greenwich mean Time (GMT) for you selection.

A. Press [SHIFT]+[THAI/ENG] or press  /  to highlight the city. Press  to select a city.

B. Press  /  to scroll a line up/down when selecting a city.



C. Press  /  to display the previous/next page.


D. You are allowed to input English name of a city directly.

E. Highlight a city, Press  to confirm.

Ex. Change the world time from “Tokyo” to “New York”

The displaying screen of “Local and World Time”.

Local Time	World Time
Bangkok	Tokyo
 9:20:42 am	 11:20:42 am
2004/03/01 Mon.	2004/03/01 Mon.
1Set Time	2Alarm 3Timer

Highlight the city.
Press  to
select a city.

Local Time	World Time
Bangkok	Tokyo
<input type="checkbox"/> 10:06:13 am 2004/03/01 Mon.	<input type="checkbox"/> 12:06:13 pm 2004/03/01 Mon.
1Set Time	2Alarm 3Timer

Input "New York"


Select City:	NEW YORK
New York นิวยอร์ก - 5	
Hingpo หังโขง + 8	
Norfolk Island เกาะนอร์ฟอล์ก + 11:30	
Oita ออิตะ + 9	

Press 

Local Time	World Time
Bangkok	New York
<input type="checkbox"/> 10:09:07 am 2004/03/01 Mon.	<input type="checkbox"/> 10:09:07 pm 2004/02/29 Sun.
1Set Time	2Alarm 3Timer

1.2 Daylight-saving Time (DST) or Summer

Time









A. Tick the block of  to
enable DST.

Local Time	World Time
Bangkok	New York
<input checked="" type="checkbox"/> 11:29:53 am 2004/03/01 Mon.	<input type="checkbox"/> 10:29:53 pm 2004/02/29 Sun.
1Set Time	2Alarm 3Timer

B. Repeat step A to disable the setting.

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1.3 Adjusting the Date and Time


- Press [1SetTime]
- Highlight the field of "Local City", you are allowed to choose a local city here.
- Highlight the field of "Date" to select a new date.
 - Press  /  to select the fields of hour, minute and am/pm, press  /  to adjust.
 - Press [3Now] to select the current time.
 - Press [SAVE] to confirm..
- Press [A Date/Time/ Format Setting] to set the format of date and time.
 - Press  /  to choose the field.
 - Press  /  to select the format.
- Press [SAVE] to confirm.

Ex. Adjust the
date and time to
2004/4/14
11:50am.

Local City:	Bangkok
Date:	2004/03/01
Time:	12:03pm
A Date/Time Format Setting	


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Press  /  to
choose the date,
page up or page
down to select the
year, up or down
key to select month, right
or left key to select the day.

Press 
Select 2004/4/14

2004	1	2	3	4	5	6
	7	8	9	10	11	12
SUN	MON	TUE	WED	THU	FRI	SAT
4th	5th	6th	7th	8th	9th	10th
11th	12th	13th	14th	15th	16th	17th
18th	19th	20th	21st	22nd	23rd	24th
25th	26th	27th	28th	29th	30th	

Choose the Time.

Press 
Adjust to 11:50am
Press [SAVE]

11	:	50	am
3Now			



Press [A Date/Time
/ Format Setting]
Select 24-hour
system.
Press [SAVE] to
finish.

Date Format:	Time Format:
▼ YYYY/MM/DD	▼ 24 Hours

Local Time	World Time
Bangkok	Tokyo
<input type="checkbox"/> 2004/04/14 Wed.	<input type="checkbox"/> 2004/04/14 Wed.
1Set Time	2Alarm 3Timer

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1.4 Alarm

- Press [2Alarm]
- Tick the selection block of "Alarm Enable"
- Highlight the field of "Time" and timed the alarm.
 - Highlight the fields of hour, minute and am / pm, then press  /  to adjust.
 - Press [SAVE] to confirm.
 - Press [3Now] to select current system time.
- Press [SAVE]
to confirm the
settings.

Time:	11:55
<input checked="" type="checkbox"/> Alarm Enable	

1.5 Timer

Press [3Timer] to count down from a certain , the alarm will be activated when time is up, and a message will be displayed on the screen.

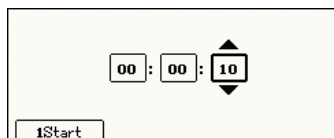
- Press the field of hour, minute and second, press  /  to adjust.

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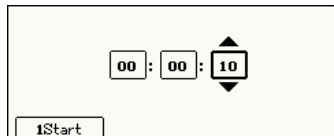
- * Press [1Start] to start counting down, Press [1Pause] to hold the timer.
- * When the timer is Pausing, Press [1Start] to continue.
- * When the timer is pausing, press [2Reset] to recover the time.

Ex. Count down 10 seconds.

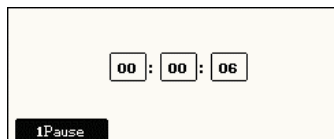
Press [3Timer]



Adjust time



Press [1Start]



Time is up.



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2. Schedule

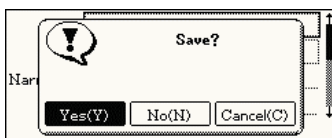
Allows managing appointments, meetings and other events related to date and time.

2.1 Adding Data

- Press [2Schedule] under Time menu.
- Press [1New] to access the editing screen.
 - * Press / to select a period.
 - * Press / to display the schedule of the last/next day.
- Inputting data.
 - * Highlight the field of "Date" and press [SPACE] to access the calendar then choose date.
 - * Highlight the field of "Time" and press [SPACE] to set starting time and closing time.
 - * Press to move the cursor to the next line.
 - * Press / / / to move the cursor.

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- * Press / to display the previous / next page.
- * Highlight the field of "Period" to select the repeating period.
- * Tick "Alarm" block and tap to select alert time.
- * If you press [ESC], the following screen will be displayed.



- * Select "Y" to save the data.
- * Select "N" to exit without saving the data.
- * Select "C" to cancel the operation, do not exit from current function.

D. Press [SAVE] to save the data.

2.1.1 Repeating Period

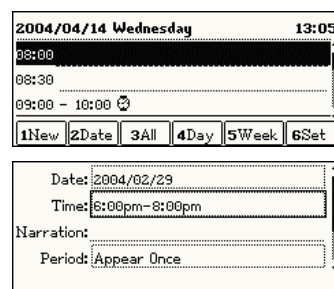
- No Repeat – the event happens once only.
- Daily Repeat – the event happens every day or every several days.
- Weekly Repeat – the event happens every

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- week.
- Monthly Repeat – the event happens every month, same day, but can be counted by week or day.
- Yearly Repeat – the event happens once a year on the same day.
- Press to select a repeating period.
- Press [1]~[5] to select a repeating period.
- Set the effective date (Start/Close).
- Press [SAVE] to confirm

Ex. Create a new schedule and event of "Tennis" repeat 6:00p.m to start. every Monday, Wednesday and Friday, alert with alarm 1/2 hour before the event.

A Day Schedule



Press [1New]
Input "tennis".

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Highlight the field of "Time" and press



Start Time: 06:00 pm
Close Time: 08:00 pm
1No Time Arrangement

Adjust period.

Press

Narration: tennis
Period: Appear Once
Alarm: ☐
Note: Th

Highlight the field of "period"

Press / to select "Weekly Repeat".

Period: Weekly Repeat
Every Week: SUN MON TUE WED THU FRI SAT
Start: 2004/04/14 Close: 2004/05/14
Weekly Repeat

Press "MON", "WED" and "FRI"
Set the effective date. (Start/Close)
Press [SAVE].
Tick the "Alarm" block.

Period: Weekly Repeat
Every Week: SUN MON TUE WED THU FRI SAT
Start: 2004/04/14 Close: 2004/04/14
Weekly Repeat

Narration: tennis
Period: Week
Alarm: ☒ ☒
Note: 1 Alarm on time
2 Alarm 5m earlier
3 Alarm 10m earlier
4 Alarm 15m earlier
5 Alarm 30m earlier

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Press / .

Press [SAVE] to save the data.

2004/04/14 Wednesday 13:32
06:00 - 08:00 tennis
08:00
08:30
1New 2Date 3All 4Day 5Week 6Set

2.2 Index Screen

The "Schedule" provides 4 kinds of index screens: "A Daily Schedule", "All Schedules", "Daily Chart" and "Weekly Chart". Tap the related function keys to switch in the index screen.

2.2.1 A Daily Schedule

- Press / to scroll a line up/down.
- Press / to display the schedule of the last/next day.
- Press to browse the details.

2004/03/01 Monday 9:18
08:00 - 09:00 qooooo
09:00 - 10:00 aaaa
10:00 - 11:00 df
1New 2Date 3All 4Day 5Week 6Set

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2.2.2 All Schedule

- Press / to scroll a line up/down.
- Press / to display the schedule of the last/next day.
- Press to browse the details.

2004/03/01 Monday 9:19
2004/03/01 8:00-9:00
qooooo
2004/03/01 9:00-10:00
1New 2Date 3One 4Day 5Week 6Set

2.2.3 Daily Chart

Provides all the daily schedules in a chart, 2 hours a period, 12 periods a day. The scheduled events will be marked.

- Press / to scroll a line up/down.
- Press / to display the schedule of the last/next day.
- Press to browse the details.

2004/02/29
12 2 4 6 8 10 12 2 4 6 8 10 12
1New 2Date 3One 4All 5Week 6Set

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2.2.4 Weekly Chart

The weekly chart provides all the events happen in one week with a chart, from Sunday to Saturday, 2 hours a period, 12 hours a day. The scheduled events will be marked.

- Press / to scroll a line up/down.
- Press / to display the schedule of the last/next day.
- Press to browse the details.

2004/2-2004/3
0 2 4 6 8 10 12 14 16 18 20 22 0
29Sun
1Mon
2Tue
3Wed
4Thu
5Fri
6Sat
1New 2Date 3One 4All 5Day 6Set

2.2.5 Settings

- Press [6set] on the index screen.
 - Highlight the field of "Start Time", then adjust the time with / .
 - Highlight "Time Display Mode" and select the way to express period for the detail of an event.
 - Highlight "Default Lasting Time" to select

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the duration of events.

- * Highlight "List Time Interval" to select the time interval of periods in a daily schedule.
- * Press [SAVE] to confirm.

Ex. Set start time as 6:00 a.m. and the time interval of periods is 1 hour.

Press [6Set]

Start Time:	06 am
Time Display Mode:	Begin &...
Default Lasting Time:	1 Hour
List Time Interval:	30 Min.

Select the related setting. Press [SAVE] to confirm.

Start Time:	06
Time Display Mode:	Begin &...
Default Lasting Time:	1 Hour
List Time Interval:	1 Hour

Note:

For other operations such as modifying, duplicating or deleting the data, please refer to the related explanations before.

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- * Select "Y" to save the data.
- * Select "N" to exit without saving the data.
- * Select "C" to cancel the operation, do not exit from current function.

F. Press [SAVE] to save the data.

Ex. Editing the class schedule.

The index screen
Press [ENTER] to access the editing screen.

Select "Monday" and "1st"
Input data.

Course	N0.12	N0.13	N0.14	N0.15
Mon				
Tue				
Wed				
Thu				

Day:	Monday
NO.:	1st
Subject:	chinese
Teacher:	li

Press [SAVE]

Course	N0.1	N0.2	N0.3	N0.4
Mon	chinese			
Tue				
Wed				
Thu				

Input other data.

Course	N0.1	N0.2	N0.3	N0.4
Mon	chinese	eng		
Tue	phy	math		
Wed				
Thu				

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3. Class Schedule

3.1 Adding data

- Select "3. Class Schedule" under Time menu.
- Press [Up] / [Down] to display the previous/next page.
- Press [Left] / [Right] / [Up] / [Down] to select a period.
- Press [ENTER] to access the editing screen. If some data has already existed, the details will be displayed.
- Inputting data.
 - * Press [Up] to select day and period.
 - * Press [Left] / [Right] / [Up] / [Down] to move the cursor.
 - * Press [ENTER] to move the cursor to the next line.
 - * If you press [ESC], the following screen will be displayed.

Sub	Tea	En
Save?		
Yes(Y)	No(N)	Cancel(C)

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Note:

- Press [SHIFT]+ [Left] to delete a highlighted period on the index screen.
- For browsing, modifying, duplicating and deleting a data, please refer to related explanations before.

4. Worked hours Management

- Select "4" under Time menu.
- Enter the known values.
- The default values for "Day per week", "Hours per day", "Holiday" are 5days, 8 hour and 0 day, you can change these values by yourself.
- Press the unknown items such as [Start Date], [Close Date], [Total Days] or [Total Hours] to calculate these values.

Ex. Calculate the total working days and hours from 1st Mar 2002 to 1st Mar 2003, there are 10 holidays within this period.

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Input start date,
close date and
holidays.

AStart Date	2002/03/01
BClose Date	2003/03/01
CTotal Days	0
DTotal hours	0
FNext	

Press[Total Days]
and [Total Hours]

AStart Date	2004/03/01
BClose Date	2004/03/01
CTotal Days	251
DTotal hours	2008
FNext	

5. Anniversary

5.1 Adding Data

A. Select "5. Anniversary" under Time menu.

- * If no data has ever been saved, the unit will display the following message.

- * Select "Y" to input new data.

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B. If some data has ever been saved, the device will display the index screen.

- * Press [1New] to input new data.

C. Inputting Data

- * Press to select a category. (solar/lunar).
- * Press the field of "Date" to select date.
- * Press / / / to move the cursor.
- * Press / to display the previous/next page.
- * If you press [ESC], the following screen will be displayed.

- * Select "Y" to save the data.
- * Select "N" to exit without saving the data.
- * Select "C" to cancel the operation, do not exit from current function.

D. Press [SAVE] to save the data.

Ex. Add an anniversary date: 14th Feb, Valentine

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Editing screen

Category:	Solar Calendar
Date:	2004/03/01
Narration:	
Note:	

Input data

Category:	Solar Calendar
Date:	2004/03/01
Narration:	valentine

Press [SAVE]
to save the data.

2004/03/01, valentine	
1New	2Delete
6Category	

5.2 The Index Screen

The index screen will display all current anniversary date.

Means solar anniversary

Means lunar anniversary

Note:

For browsing, modifying, duplicating or deleting a data, please refer to related explanations before.

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6. Calendar

A. Select "1. lunar and solar calendar" under Time menu.

B. Input the data.

- * Press / to choose the month
- * Press / to choose the day.
- * Press / to choose the year.

C. Press to save.

2004						
1	2	3	4	5	6	
7	8	9	10	11	12	
SUN	MON	TUE	WED	THU	FRI	SAT
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

7. Thai charter of History

A. There is a sub-category in the Thai charter of history.

B. Select a category.

C. Press to see the detail.

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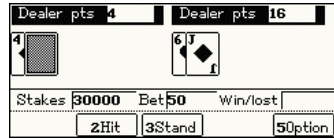
8. Games World

8.1 21 point

Press [8] under the Time menu to access "8.Games world"



Select "1.21 Points" under the game menu to access the game



Operation as following:

Press [1Deal] to start a new game

Press [2 Hit] to require more cards and display the result

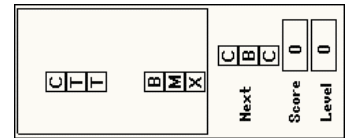
Press directional up/down key to increase or reduce the bet

Press [ESC] to exit from the game

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8.2 Square World

Select "2.Square World" under the game menu to access the game

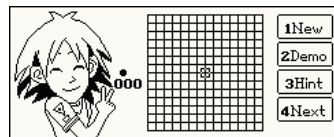


Rules: If three or more than three blocks with same alphabet get in one line, it will be eliminated. If more than one line are completed at the same time, only one of them will be eliminated first, if the other line is still completed after the elimination, then it will be eliminated next. Press left key to rotate alphabets of the blocks Press up key to move the block upward Press right key to speed up the block downward Press down key to move the block downward Press [1New] to start a new game Press [2Pause] to pause the game Press [ESC] to exit from the game

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8.3 Gobang

Requires two players (you and the unit) to play the game. The players take turns to place their chessman at intersects of lines on the board. If a player succeeds in placing five chess pieces in a row vertically, horizontally or bias. As long as the five chess are stay together. The player wins the game.




Press [1New] to start a new game

Press [2demo] to demonstrate


Press [4Next] for your next step how the game is played

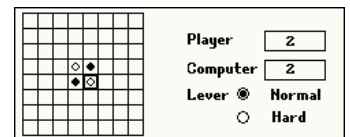
Press [3 Hint] to let the unit begin.

Press directional key to move the cursor, when the right position chose. Press "Y" or  to set the chessman

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8.4 Othello

Place a white chessman to a square to let the black chessman positioned in the middle of your chessman, the black chessman will turn into white (yours). You win if white side occupies more squares at the end Press directional key to the point on the screen and press "Y" or  to set the chessman Press [1New] to start new game Press [2 Demo] for automatic demonstration. Press [3] to stop the demo. Press [SPACE] to set level Press [ESC] to exit from the game. Press [T] to choose to go first. Press [B] to pull back.



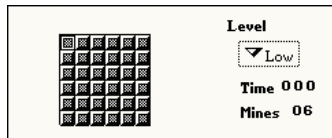
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8.5 Land Mines

Operation as following:

Press [SPACE] to select level of difficulty. "Low"/"Middle"/"High"/"Custom".

Press direction keys to move the cursor and select a square.




Press "Y" to open the square

Press [CUSTOM] to

set the Height, Width, and Mines.

Press , then

press on the square to put a flag in the square, press on the square again to put a '?'. These will help you to remember where the dangerous squares are when playing the game.

Press , then press on the square to tread on the square.

The game is over if you tread on a landmine, you

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dead!

If no landmine in the square, a number will be shown, it means the number of landmines around that square.

If no more square to be treaded, and you haven't tread on any landmine, you win the game.

Press [ESC] to exit from the game.

8.6 Puzzle

Move the blocks to make them form a whole picture like the model.



Operation as following:

- * Move the numeric blocks to arrange them into correct sequence.
- * Press [2Set] to select 3*3, 4*4 or 5*5 grids.
- * Press [1New] to start a new game.
- * Press direction keys to move the blocks.
- * Press [ESC] to exit from the game.

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8.7 Fruit Dishes

To move the same five

fruits to a horizontal, vertical or slantwise line to make them disappear. As long

as the five fruits are together. And get score, after each tap, three fruits will be added on the screen. Lose when there's no empty block.

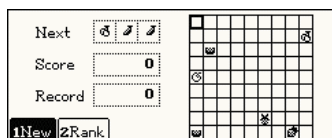
Operation as following:

- * Press  /  /  /  to choose fruit, then press the empty block to move the fruit.
- * Only when there's a way to get to the destination can the fruit be moved.

Note:

Press [1New] to start a game.

Press [2Rank] to see the rank.



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8.8 Kongming Chess

Each chess piece is allowed to leap over the adjacent piece, the leaped over will be eliminated from the board.

You win the game when the last chess piece is left in the middle of the board.

Press select level of difficulty, the range is 1-5 level.

Press [SHIFT]+TAB to select original position.

Press direction keys to select a chess piece with the cursor, press [Y] to confirm.

Press direction keys to select a circle to move to, press [Y] to confirm.

Press [1New] to start a new game.

Press to retract a step.

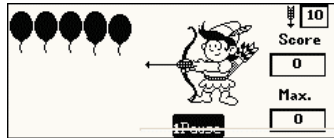
Press [ESC] to exit from the game.



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8.9 Besta Archer

Use arrows to shoot moving goals.



Operation as following:

- * Press "Pause" to pause; press [ENTER] to continue.

Note:

There are altogether 4 levels in the game. In each level, the user must shoot all the moving goals.

Tap once and the arrow will be set on the bow, tap again and the arrow will fly out.

There are 10 arrows in level 1, 8 in level 2, 6 in level 3, 4 in level 4. If arrows are not used up in each level, they can be used in next level.

In each level, if arrows are used up, while there are still some goals left, the game is over, else come to next level.

In level 1, gain 40 points on each shot of a black balloon; In level 2, gain 60 points on each shot of

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a black balloon, but lose 100 points on each shot of a white balloon (not a goal); In level 3, gain 80 points on each shot of a butterfly; In level 4, gain 50 points on each shot of outer target, and gain 80 points on each shot of middle target, and gain 130 points on each shot of inner target.

If you gain over 2000 points, you will be the real Besta Shooter.

8.10 Jigsaw Puzzle

The target of the game is to form the destination picture by moving and



rotating the pieces that are divided into nxn.

Operation as following:

Press ▼ Modern Girl and press ▲ / ▼ to select picture.

Press ▲ / ▼ to select 3x3, 4x4, 5x5 or 6x6.

Press [1Start] to start a game.

Press [2Rank] to view the past record.

Press the piece at the left zone, then press on the

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blank square at the right.

Press the moved piece again to rotate it clockwise.

8.11 Pipe

There are 5 levels in

the game; your target is to connect as much pipe as

you can to prevent the water flow out.

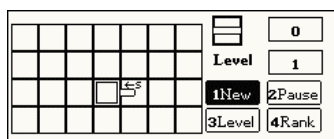
Operation as following:

Press ▲ / ▼ / ◀ / ▶ to select the correct position and pave pipes, after 5 seconds, the water begin to flow.

Note:

There are several types of pipes to choose: vertical pipe, horizontal pipe, bending pipe, cross pipe etc. A cross pipe consists of a horizontal pipe and a vertical pipe, and the pipes are not connected.

The next pipe can be seen at the right bottom



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corner of the screen, you can continue tapping on a block until the pipe you wanted appears.

If you can make water flow over 10 blocks, you can go to next level; each pipe of passed 10 blocks is 50 points.

After 10 blocks, you get 100 points for each block the water pass, if the water pass a circulation combined with cross pipe, you get 500 points.

If water flow out without passing 10 blocks, game over.

After one level, if the score is high enough, you can enter your name in the rank.

In level 2, there are some obstacles that you cannot pave pipes in the blocks.

In level 3, there are some ball-shape pipes added more than level 2. If the water flows through a ball-shape pipe, you gain 1000 points.

In level 4, there are directional pipe added more than level 2. Water can only pass through the directional pipe according to the direction the arrow indicates. If the pipe is paved in a wrong direction, the water will flow out.

In level 5, there are some ball-shape pipes added

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more than level 4.

Press [1New] to restart a new game,

Press [2Pause] to stop

Press [3Level] to select level

Press [4Rank] to see the rank.

8.12 Tetris

The falling squares will

disappear if they form a horizontal

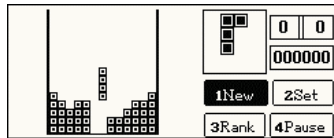
line; lose when the blocks dumped high enough to touch the top.

Operation as following:

- * Press up key to rotate.
- * Press left, right, down keys to change direction.

Note:

- * Press "New" to start a game.
- * Press "Rank" to see the rank.
- * Press "Pause" to pause; press [ENTER] to continue.

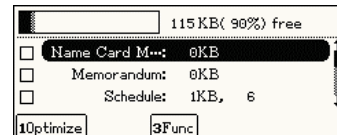


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- * You can preview next squares at the preview pane at the right of the screen.
- * Tap "Setting" to set speed and original level. They can be seen in the two small squares at the right of the screen.
- * You can see your score in the rectangle at the right of the screen.

9. Memory

- Press / to scroll a line up/down.
- Press / to display the previous/next page.



Note:

If there isn't any saved data under a specified function but it shows "1KB used", it means some setting such as category or user-defined name

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have been set.

9.1 Optimize the Memory

Rearrange the memory and release space for more personal data.

A. Press [1Optimize]

B. Press [Start]

C. Press [OK] after the Optimization is Completed.



Note:

Do not turn off the power during optimization, otherwise some unpredictable mistakes may appear or your personal data.

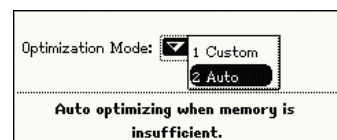
9.2 Memory Setting

- Press [3Func], then select "1 Memory Setting".
- Press / to select the optimization mode.
 - * Auto – the memory will be rearranged automatically whenever out of memory

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space.

- * Customer – up to user's decision for the rearrangement.
- Press to confirm.



Note:

Automatic rearrangement is only available for the device's memory.

9.3 Deleting data

Press [2Delete] and press "Y" to confirm.



Note:

- * All the personal data, new category, user-defined fields and setting of highlighted item will be deleted.
- * The memory will only be released after

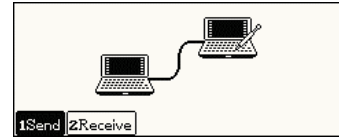
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10. Information Communication

- A. Connect 2 devices of the same model with a Data-link.
- B. Press [1send] to send data on the transmitting end.
 - * Press ▲ / ▼ to scroll a line up/down.
Press ▲ / ▼ to display the previous/next page.
 - * Press [Space] to tick the item to send.
 - * Press [1] to select all items that haven't selected.
 - * Press [2] to select all items that haven't selected only.
 - * Press [3] to start sending data to another device.
 - * Press ▲ / ▼ to highlight item, then press ENTER to browse the list of data, in this screen.
 - Press [1] to send all data in the list.

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- Press [2] to send the highlighted data only.
 - Press ▲ / ▼ to highlight item, then press ENTER to browse the details, press [1] to send this data.
- C. Press [2] to receive data on the receiving end.



11. System Setting

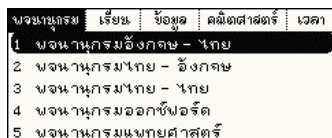
11.1 Menu Setting

There are 3 types of main menu to be selected: Thai, English and icons.

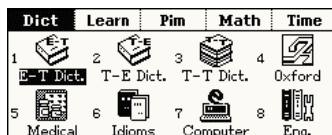
- A. Press ▲ / ▼ to move the cursor.
- B. Press the highlighted item, then press ENTER to confirm or press the corresponding numeric keys.

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Thai menu



Icon menu



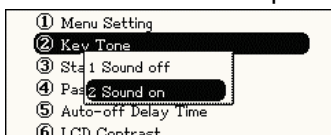
English menu



11.2 Key tone

You are allowed to enable/disable the key tone.

- A. Press ▲ / ▼ to move the cursor.
- B. Press the highlighted item, then press ENTER to confirm or enter the corresponding numeric



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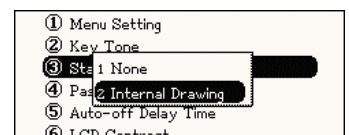
keys.

11.3 Startup Picture

- A. Press ▲ / ▼ to move the cursor.
- B. Press the highlighted item or press ENTER to select an item; or press the corresponding numeric keys.
 - * Select an embedded picture.
 - Press ▲ / ▼ or ▲ / ▼ to select a picture.
 - Press [set as startup picture] and set the highlighted picture as the greeting screen.
 - Press ENTER to browse the picture, press ▲ / ▼ to browse another picture.

Ex. Select an embedded picture as the Maid's Image.

Press [3] under system setting menu.

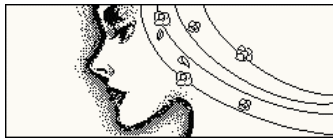


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Press [2]



Select Maid's Image



Press [ESC]

Press [1.Set as startup picture]

Press [SAVE] to save the picture.

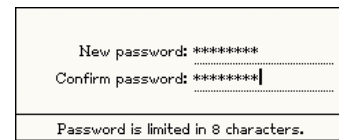


11.4 Password Setting

11.4.1 Setting New Password

- Enter new password. (up to 8 digits or letters)
- Press / to move the cursor.
- Enter the same password again to confirm.
- Press to save

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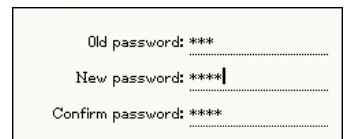
After password setting, the screen below will be displayed.

- Press [1Set Password] to change password.
- Press [3 Clear Password] to clear the password.
- Press / to move the cursor.



11.4.2 Password setting

- Enter old password.
- Enter new password.
- Enter new password again to confirm.
- Press to confirm.



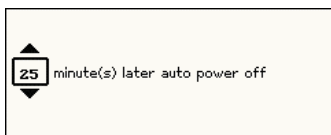
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11.4.3 Clearing Password

- Enter correct password
- Press to confirm.

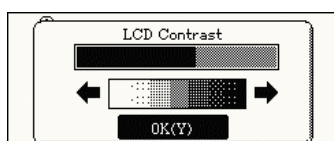
11.5 Auto-off Delay Time

- Press / to adjust the power cut-off interval.
- Press to confirm.



11.6 LCD Contrast

- Press [6] under Time menu.
- Press / to adjust.
- Press to save.



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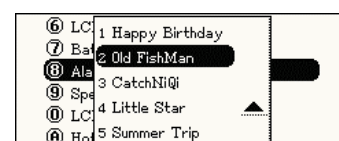
11.7 Battery

- Press [7] under Time menu.



11.8 Alarm Sound

- The device provides 9 kinds of sound for you choice.
- Press / to display the previous/next page.
- Select the highlighted item, press to confirm or enter the corresponding numeric keys.

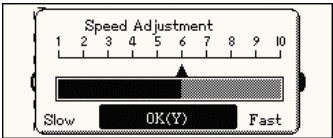


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display next.

11.9 Speed Adjustment

- A. Press [6] under system setting menu.
- B. Press ◀ / ▶ to adjust.
- C. Press ENTER to save.

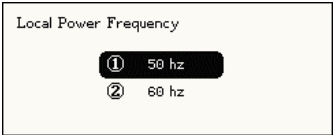


Website	: www.cyberdict.com
OS Version	: V0.13
Serial No.	:

1Previous

11.10 LCD Frequency Stabilizer

- A. Press [0] under system setting menu.
- B. Press ▲ / ▼ to select.
- C. Press ENTER to save.



11.11 Hotline

- A. Press [A] under System Setting menu.
- B. Press [2] to

